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Canada Department of Agriculture

Direction de la recherche

Ministère de l'agriculture du Canada

Publication 1629

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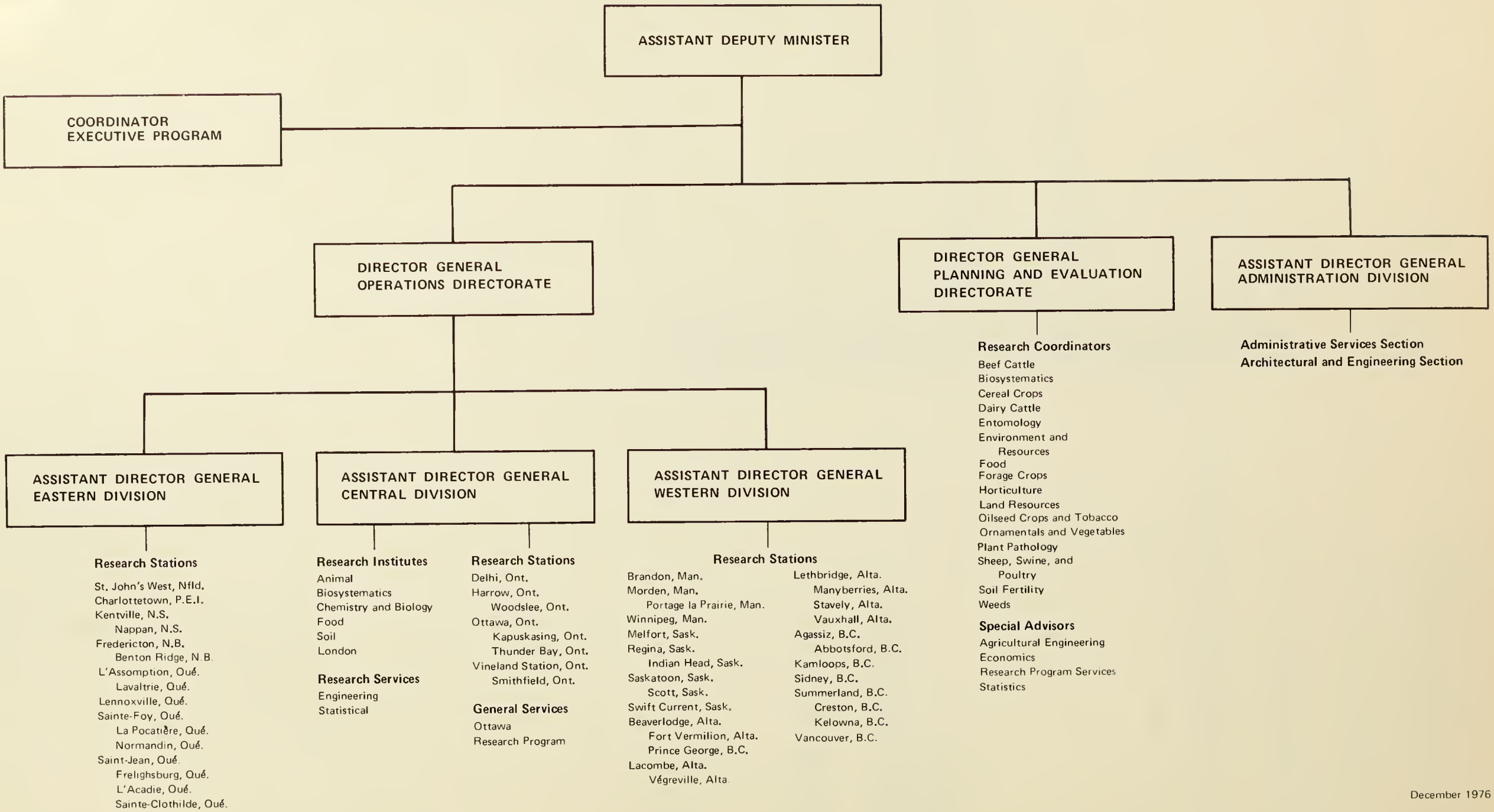
CANADA DEPARTMENT OF AGRICULTURE
RESEARCH BRANCH



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Moutons, porcs et volailles
Plantes fourragères
Plantes oléagineuses
et tabac
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Horticulture	C. J. Bishop, B.Sc., M.A., Ph.D., F.R.S.C., F.A.S.H.S.	Horticulture
Ornamentals and vegetables	A. P. Chan, B.Sc., M.Sc., Ph.D.	Plantes ornementales et légumes
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Land resources	R. L. Halstead, B.S.A., Ph.D.	Ressources des terres
Plant pathology	C. D. McKeen, B.A., M.A., Ph.D.	Phytopathologie
Dairy cattle	E. S. Merritt, B.Sc. (Agr.), M.Sc., Ph.D.	Bovins laitiers
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Environment and resources	H. V. Morley, B.Sc., Ph.D.	Environnement et ressources
Cereal crops	J. W. Morrison, B.S.A., M.Sc., Ph.D.	Céréales
Beef cattle	W. J. Pigden, B.S.A., M.Sc., Ph.D.	Bovins de boucherie
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Oilseeds and tobacco	R. P. A. Sims, B.Sc., Ph.D., F.C.I.C.	Plantes oléagineuses et tabac
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Forage crops	M. F. Clarke, B.S.A., M.S.A., Ph.D. (Retired December 1976/retraité depuis décembre 1976)	Plantes fourragères

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*Deceased January 10, 1977/décédé le 10 janvier 1977
**Deceased June 4, 1977/décédé le 4 juin 1977

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Importations	J. S. Kelleher, B.Sc., M.Sc., Ph.D.	Importations
Fungicides	H. Krehm, B.A., M.A., Ph.D.	Fongicides
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Editing	J. M. Tomlinson, B.A., M.A.	Rédaction-révision
Editing	C. R. Wood, B.S.A., M.Sc., B.D.	Rédaction-révision

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Administrative Officer	T. J. Jones	Agent d'administration

RESEARCH ESTABLISHMENTS

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Research Station, Research Branch, Agriculture Canada, P.O. Box 7098, St. John's West, Newfoundland A1E 3Y3

Station de recherches, St. John's West

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Director	H. W. R. Chancey, B.S.A., M.S.A.	Directeur
ENTOMOLOGY SECTION		SECTION DE L'ENTOMOLOGIE
Head of Section; Vegetable insects	R. F. Morris, B.S.A., M.Sc.	Chef; insectes des légumes

HORTICULTURE SECTION		SECTION DE L'HORTICULTURE
Vegetable crops	B. G. Penney, B.Sc., M.Sc.	Cultures maraîchères
PLANT BREEDING AND PATHOLOGY SECTION		SECTION DE L'AMÉLIORATION DES PLANTES ET DE LA PHYTOPATHOLOGIE
Head of Section; Potato breeding	K. G. Proudfoot, B.Agr., M.Agr.	Chef; amélioration de la pomme de terre
Plant diseases	M. C. Hampson, B.Sc., M.Sc., Ph.D.	Maladies des plantes
AGRONOMY SECTION		SECTION DE L'AGRONOMIE
Soil fertility	A. F. Rayment, B.Sc., M.Sc.	Fertilité des sols

Research Station, Charlottetown

Research Station, Research Branch, Agriculture Canada, P.O. Box 1210, Charlottetown, Prince Edward Island C1A 7M8

Station de recherches, Charlottetown

Station de recherches, Direction de la recherche, Agriculture Canada, C.P. 1210, Charlottetown, Île-du-Prince-Édouard C1A 7M8

Director	L. B. MacLeod, B.Sc. (Agr.), M.Sc., Ph.D.	Directeur
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CEREAL AND TOBACCO SECTION		SECTION DES CÉRÉALES ET DU TABAC
Head of Section; Barley breeding	J. D. E. Sterling, B.S.A., M.Sc.	Chef; amélioration de l'orge
Cereal diseases	K. S. Clough, B.Sc., M.Sc., Ph.D.	Maladies des céréales
Cereal diseases	H. W. Johnston, B.Sc. (Agr.), M.Sc., Ph.D.	Maladies des céréales
Tobacco	K. E. LeLacheur, B.Sc. (Agr.)	Tabac
Forage and cereal nutrition	J. A. MacLeod, B.Sc. (Agr.), M.Sc., Ph.D.	Nutrition des plantes fourragères et des céréales
Wheat breeding; cereal physiology	H. G. Nass, B.S.A., M.Sc., Ph.D.	Amélioration du blé, physiologie des céréales
Management of winter cereals and protein crops	J. B. Sanderson, B.Sc. (Agr.)	Conduite des céréales d'hiver et des cultures protéagineuses
FORAGE SECTION		SECTION DES PLANTES FOURRAGÈRES
Head of Section; Forage diseases	C. B. Willis, B.Sc. (Agr.), Ph.D.	Chef; maladies des plantes fourragères
Pasture and corn nutrition	W. N. Black, B.Sc. (Agr.)	Nutrition des pâturages et du maïs
Soil and plant micronutrients	U. C. Gupta, B.Sc. (Agr.), M.Sc. (Agr.), Ph.D.	Oligo-éléments des sols et des végétaux
Nematology	J. Kimpinski, B.S.A., M.Sc., Ph.D.	Nématologie
Forage biochemistry and physiology	M. Suzuki, B.Sc., Ph.D.	Biochimie et physiologie des plantes-fourragères
Forage, cereal, and vegetable insects	L. S. Thompson, B.Sc. (Agr.), Ph.D.	Insectes des plantes fourragères, des céréales et des légumes
Corn and potato nutrition; soil chemistry	R. P. White, B.S. (Ed.), M.S., Ph.D.	Nutrition du maïs et de la pomme de terre, chimie des sols

CROP-LIVESTOCK SYSTEMS SECTION		SECTION DES SYSTÈMES DE PRODUCTIONS VÉGÉTALES ET ANIMALES
Head of Section; Production economics	J. H. Lovering, B.Sc., M.A., Ph.D. (Economics Branch/Direction de l'économie)	Chef; économie de la production
Agricultural engineering	A. J. Campbell, B.Eng.	Génie rural
Forage physiology and management	H. T. Kunelius, B.Sc., M.Sc., Ph.D.	Physiologie et conduite des fourrages
Systems engineering	J. A. McIsaac, B.Sc. (Economics Branch/Direction de l'économie)	Génie des systèmes
Systems economics	D. G. Russell, B.Sc. (Agr.), M.Sc., Ph.D. (Economics Branch/Direction de l'économie)	Économie des systèmes
Soil management	J. M. Sadler, B.Sc., M.Sc., Ph.D.	Gestion des sols
Cattle nutrition	K. A. Winter, B.Sc. (Agr.), M.Sc., Ph.D.	Nutrition des bovins
HORTICULTURE SECTION		**SECTION DE L'HORTICULTURE**
Head of Section; Vegetable nutrition and management	J. A. Cutcliffe, B.Sc. (Agr.), M.Sc.	Chef; conduite et nutrition des légumes
Weed control in vegetables, forages, and cereals	J. A. Ivany, B.Sc. (Agr.), M.S., Ph.D.	Désherbage des cultures maraîchères, fourragères et céréalières
Virus diseases of potatoes	J. P. MacKinnon, B.Sc. (Agr.), M.Sc.	Maladies virales de la pomme de terre
Potatoes and vegetable nutrition	D. C. Munro, B.S.A., M.Sc.	Nutrition de la pomme de terre et des légumes
Pesticide bioactivity; vegetable insects	D. C. Read, B.Sc. (Agr.), M.Sc., Ph.D.	Activité biologique des pesticides, insectes des légumes
DEPARTURE		**DÉPART**
Potato diseases	L. C. Callbeck, B.Sc. (Agr.)	Maladies de la pomme de terre

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Librarian	M. R. Malyk, B.Sc., M.Sc., M.L.S.	Bibliothécaire
CROPS		**CULTURES**
Head of Section; Plant breeding	D. L. Craig, B.Sc. (Agr.), M.S., Ph.D.	Chef; amélioration des plantes
Genetics and plant breeding	L. E. Aalders, B.Sc., M.Sc., Ph.D.	Génétique et amélioration végétale
Plant nutrition	C. R. Blatt, B.Sc., M.S., Ph.D.	Nutrition végétale
Vegetable crops	E. W. Chipman, B.Sc. (Agr.)	Cultures maraîchères
Ecology and physiology	I. V. Hall, B.Sc., M.Sc., Ph.D.	Écologie et physiologie
Cereals and field crops	G. G. Smeltzer, B.Sc. (Agr.)	Céréales et grandes cultures

ENTOMOLOGY		ENTOMOLOGIE
Head of Section; Insect ecology	A. W. MacPhee, B.Sc. (Agr.), M.Sc., Ph.D.	Chef; écologie des insectes
Insect ecology: life systems	K. P. Butler, B.A.	Cycles biologiques des insectes
Mite investigations	H. J. Herbert, B.Sc. (Agr.)	Études sur les acariens
Ecology of the codling moth	C. R. MacLellan, M.C., C.D., B.Sc. (Agr.), M.A.	Écologie des carpocapses de la pomme
Apple maggot	W. T. A. Neilson, B.Sc., M.Sc.	Mouche de la pomme
Development of integrated programs	K. H. Sanford, B.Sc. (Agr.), M.Sc.	Élaboration de programmes de lutte intégrée
Vegetable insects	H. B. Specht, B.Sc. (Agr.), M.S., Ph.D.	Insectes des légumes
FOOD TECHNOLOGY		TECHNOLOGIE ALIMENTAIRE
Head of Section; Food processing	R. Stark, B.Sc., Ph.D.	Chef; transformation des aliments
Food technology	D. B. Cumming, B.Sc., M.Sc., Ph.D.	Technologie alimentaire
Food microbiology	D. J. Schroder, B.Sc. (Agr.), M.Sc., Ph.D.	Microbiologie des aliments
Product development	W. G. Simpson, B.S.A., M.S.	Développement des produits
PLANT PATHOLOGY AND PESTICIDE RESIDUES		PHYTOPATHOLOGIE ET RÉSIDUS DES ANTIPARASITAIRES
Head of Section; Tree fruit diseases	R. G. Ross, D.F.C., B.Sc. (Agr.), M.Sc., Ph.D.	Chef; maladies des fruits de verger
Insecticide chemistry	D. Chisholm, B.Sc.	Chimie des insecticides
Vegetable and berry diseases	C. O. Gourley, C.D., B.Sc. (Agr.)	Maladies des légumes et des petits fruits
Weed control	K. I. N. Jensen, B.S., M.Sc., Ph.D.	Désherbage
Chemist	E. R. Kimball, B.Sc.	Chimiste
Fruit and vegetable storage diseases	C. L. Lockhart, B.Sc. (Agr.), M.Sc. (On leave as President of the Professional Institute of the Public Service of Canada/en congé à titre de président de l'Institut professionnel du Service public du Canada)	Maladies des fruits et des légumes entreposés
Herbicide chemistry	M. T. H. Ragab, B.S., M.S., Ph.D.	Chimie des herbicides
Fungicide chemistry	D. K. R. Stewart, B.Sc., B.A., M.Sc., Ph.D.	Chimie des fongicides
PLANT PHYSIOLOGY		PHYSIOLOGIE VÉGÉTALE
Head of Section; Postharvest physiology	F. R. Forsyth, B.A., Ph.D.	Chef; physiologie des plantes récoltées
Soil chemistry	C. R. MacEachern, B.Sc.	Chimie des sols
Postharvest physiology	P. A. Poapst, B.Sc. (Agr.)	Physiologie des plantes récoltées
Plant chemistry	L. R. Townsend, B.A., B.Sc.	Chimie végétale
Tree fruit physiology	D. H. Webster, B.Sc., M.Sc., Ph.D.	Physiologie des fruits de verger
POULTRY		AVICULTURE
Head of Section; Genetics	F. G. Proudfoot, B.Sc. (Agr.), M.S.	Chef; génétique
TREE FRUITS		FRUITS DE VERGER
Head of Section; Tree fruit breeding	A. D. Crowe, B.Sc. (Agr.), M.Sc., Ph.D.	Chef; amélioration des fruits de verger
Biometrics	G. L. Brown, B.S., M.Sc.	Biométrie

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Nappan, Nouvelle-Écosse B4N 1J5

Superintendent; Livestock	T. M. MacIntyre, B.Sc. (Agr.), M.Sc.	Régisseur; bétail
Forage crops, pasture	F. W. Calder, B.Sc. (Agr.), M.S. (Seconded to Indo-Canadian Dryland Research Project, Hyderabad, India, from December 1976 to December 1978/détaché auprès du Projet indo-canadien de recherches sur les terres arides, Hyderabad, Inde, de décembre 1976 à décembre 1978)	Plantes fourragères, pâturages
Soils: crop nutrition	L. P. Jackson, B.Sc. (Agr.), M.S.	Sols, nutrition des cultures
Cereals and forage crops	J. E. Langille, B.Sc. (Agr.)	Céréales et plantes fourragères
VISITING SCIENTIST		SCIENTIFIQUE INVITÉ
Poultry nutrition	E. Ross, B.Sc., M.Sc., Ph.D.	Nutrition de la volaille
POSTGRADUATE STUDENT		ÉTUDIANT POST-UNIVERSITAIRE
Plant tissue culture	N. L. Nickerson, B.Sc.	Culture des tissus végétaux

Research Station, Fredericton

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Assistant Director	A. A. MacLean, B.Sc., M.Sc., Ph.D.	Directeur adjoint
Administrative Officer	F. J. Whitten	Agent d'administration
Library Area Coordinator, Quebec and Atlantic Region	D. B. Gammon, B.A., M.A., B.L.S.	Coordonnateur régional des bibliothèques pour le Québec et la région de l'Atlantique
ANIMAL NUTRITION		NUTRITION ANIMALE
Group Leader; Meat animal nutrition	J. W. G. Nicholson, B.Sc., M.Sc., Ph.D.	Chef d'équipe; nutrition du bétail à viande
Dairy cattle nutrition	P. L. Burgess, B.Sc., M.Sc., Ph.D.	Nutrition des bovins laitiers
Fiber digestion	R. E. McQueen, B.S.A., M.Sc., Ph.D.	Digestion de la cellulose
ENGINEERING		GÉNIE RURAL
Group Leader; Harvesting and storage engineering	G. C. Misener, B.Sc., M.Sc., Ph.D.	Chef d'équipe; génie de la récolte et de l'entreposage
Feed crops engineering	J. G. Kemp, B.E.	Génie des cultures fourragères
ENTOMOLOGY		ENTOMOLOGIE
Group Leader; Pest management of small fruits	G. W. Wood, B.Sc., M.A.	Chef d'équipe; lutte contre les ravageurs des petits fruits
Virus-vector relationships	R. H. E. Bradley, B.Sc., Ph.D., D.Sc.	Rapports virus-vecteur
Pest management of potato	M. E. MacGillivray, B.A., M.Sc., D.Sc.	Lutte contre les ravageurs de la pomme de terre
PLANT AND SOIL CHEMISTRY		CHIMIE DES VÉGÉTAUX ET DU SOL
Group Leader; Residue chemistry	R. R. King, B.Sc., M.Sc., Ph.D.	Chef d'équipe; chimie des résidus

Biochemistry of disease resistance	M. C. Clark, B.Sc., Ph.D.	Biochimie de la résistance aux maladies
Soil chemistry	A. A. MacLean, B.Sc., M.Sc., Ph.D.	Chimie des sols
POTATO BREEDING		AMÉLIORATION DE LA POMME DE TERRE
Group Leader	G. M. Weaver, B.Sc., Ph.D.	Chef d'équipe
Breeding and evaluation	H. T. Davies, B.S.A.	Amélioration et évaluation
Diploid breeding and genetics	H. deJong, B.A., M.Sc., Ph.D.	Génétique des diploïdes
Breeding and evaluation	G. R. Johnston, B.S.A., M.Sc. (Stationed at University of Guelph/en poste à l'Université de Guelph)	Amélioration et évaluation
Quantitative genetics and breeding methodology	G. C. C. Tai, B.Sc., M.S., Ph.D.	Méthodes de génétique quantitative
Germ plasm resources	T. R. Tarn, B.Sc., Ph.D.	Matériel génétique végétal
Breeding and genetics	D. A. Young, B.Sc., M.Sc., Ph.D.	Génétique
POTATO PATHOLOGY		PATHOLOGIE DE LA POMME DE TERRE
Group Leader; Virus diseases	R. P. Singh, B.Sc., M.Sc., Ph.D.	Chef d'équipe; maladies virales
Virus resistance	R. H. Bagnall, B.Sc., M.Sc., Ph.D.	Résistance aux virus
Late blight	W. A. Hodgson, B.Sc., M.Sc.	Mildiou
Seed and storage pathogens	C. H. Lawrence, B.Sc., M.Sc.	Maladies des semences et des cultures entreposées
Seed and storage pathogens	A. R. McKenzie, B.Sc., M.Sc., Ph.D.	Maladies des semences et des cultures entreposées
SOIL AND CROP MANAGEMENT		GESTION DES SOLS ET DES CULTURES
Group Leader; Forage and cereal management and evaluation	E. A. Grant, B.Sc., M.Sc.	Chef d'équipe; conduite et évaluation des cultures fourragères et céréalières
Potato physiology	W. B. Collins, B.Sc., M.Sc., Ph.D.	Physiologie de la pomme de terre
Weed science	C. F. Everett, B.Sc., M.Sc., Ph.D.	Malherbologie
Soil physics	G. R. Saini, B.Sc., M.Sc., Ph.D.	Physique des sols
DEPARTURE		DÉPART
Aphid physiology	J. B. Adams, B.A., M.Sc. (Retired October 1976/retraitée depuis octobre 1976)	Physiologie des pucerons

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Directeur	P. P. Lukosevicius, Diplomlandwirt, M.Sc., Ph.D.	Director
TABAC		TOBACCO
Physiologie	N. Arnold, B.Sc. (Agr.), M.Sc.	Physiology
Pesticides	M. Dupré, B.A., B.S.A.	Pesticides
Phytotechnie	M. Lamarre, B.Sc. (Agr.)	Crop science

DÉPART		DEPARTURE
Génétique du tabac à cigare	V. Kozumplik, Diplomirani inzenjer poljoprivrede, M.Sc. (a démissionné en août 1976/Resigned August 1976)	Cigar tobacco breeding and genetics

Station de recherches, Lennoxville

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Directeur	C. S. Bernard, B.S.A., M.Sc., Ph.D.	Director
Agent d'administration	L. M. Sévigny	Administrative Officer
ZOOTECHNIE		ANIMAL SCIENCE
Chef; physiologie de la reproduction	J. Dufour, B.S.A., M.Sc., Ph.D.	Head of Section; Reproductive physiology
Nutrition des bovins laitiers	R. Bouchard, B.A., B.S.A., M.S.A., Ph.D	Dairy cattle nutrition
Génétique des porcs et des moutons	M. H. Fahmy, B.Sc., M.Sc., Ph.D.	Swine and sheep breeding
Nutrition des bovins laitiers	B. Lachance, B.S.A., M.Sc.	Dairy cattle nutrition
Nutrition des bovins laitiers et des bovins de boucherie	P. Flipot, B.S.A., M.Sc., Ph.D.	Dairy and beef cattle nutrition
Gestion, bovins de boucherie	G. Lalande, B.A., B.S.A.	Beef cattle management
Nutrition, fourrages	G. Pelletier, B.S.A., M.Sc. (en congé d'étude à l'Université de Sherbrooke/On educational leave at the University of Sherbrooke)	Forage nutrition
Génétique des bovins laitiers et des bovins de boucherie	G. Roy, B.S.A., M.Sc., Ph.D.	Dairy and beef cattle breeding
PRODUCTIONS VÉGÉTALES		PLANT PRODUCTION
Chef; fertilité des sols	J.-L. Dionne, B.A., B.S.A., Ph.D.	Head of Section; Soil fertility
Conduite des graminées	W. Mason, B.S.A., M.Sc., Ph.D.	Management of grasses
Physique des sols	A. Pesant, B.S.A., M.Sc.	Soil physics
DÉPART		DEPARTURE
Conduite des légumineuses et du maïs	J. Genest, B.S.A., M.Sc. (a démissionné en juillet 1976/Resigned July 1976)	Legume and corn management

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Directeur	S. J. Bourget, B.Sc. (Agr.), M.S., Ph.D.	Director
Directeur adjoint	C. Gagnon, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Assistant Director
Agent d'administration	J. R. Frappier, B.A.	Administrative Officer
Bibliothécaire	P. Venne, B.Bibl., M.L.S.	Librarian

AMÉLIORATION DES PLANTES		PLANT BREEDING
Chef; écologie	J. M. Deschênes, B.Sc. (Agr.), M.Sc., Ph.D.	Head of Section; Ecology
Génétique des plantes fourragères	M. R. Bullen, B.Sc. (Agr.), M.Sc., Ph.D.	Forage genetics and breeding
Céréales	J. P. Dubuc, B.Sc. (Agr.), Ph.D.	Cereal crops
Génétique et amélioration des légumineuses	R. Michaud, B.Sc. (Agr.), M.Sc., Ph.D.	Legume genetics and breeding
Amélioration des graminées	E. Rochat, Ing. agron., M.Sc., D.Sc.	Breeding of grasses
Physiologie des plantes fourragères	J. C. St-Pierre, B.Sc. (Agr.), M.Sc., Ph.D.	Forage physiology

PHYSIOLOGIE DES PLANTES		PLANT PHYSIOLOGY
Chef; survie à l'hiver	R. Paquin, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Head of Section; Winterhardiness
Résistance au froid, cytologie	R. Bolduc, B.A., B.Sc. (Agr.), Ph.D.	Cold hardiness: cytology
Résistance au froid, mécanisme	H. J. Hope, B.Sc., M.Sc., Ph.D.	Cold hardiness: mechanisms
Résistance au froid, mécanisme	C. Willemot, B.S.A., M.Sc., Ph.D.	Cold hardiness: mechanisms

PHYTOPROTECTION		PLANT PROTECTION
Chef; maladies des légumineuses	C. Gagnon, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Head of Section; Legume diseases
Microbiologie	L. Bordeleau, B.Sc. (Agr.), M.Sc., Ph.D.	Microbiology
Entomologie	A. Comeau, B.Sc., Ph.D.	Entomology
Maladies des céréales	G. Pelletier, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Cereal diseases
Maladies des légumineuses	C. Richard, B.Sc., M.Sc., D.Sc.	Legume diseases
Nématologie	J. Santerre, B.A., B.Sc., M.Sc.	Nematology

SOLS		SOILS
Chef; pédogénèse	C. De Kimpe, B.A., Ing. Chim. et Ind. agr., D.Sc.	Head of Section; Soil genesis
Microbiologie	L. Bordeleau, B.Sc. (Agr.), M.Sc., Ph.D.	Microbiology
Pédogénèse et minéralogie	M. Laverdière, B.Sc. (Agr.), M.Sc.	Soil genesis and mineralogy
Chimie et fertilité	Y. Martel, B.Sc. (Agr.), Ph.D.	Chemistry and fertility
Physique	G. Mehuys, B.A., Ing. Agr., Ph.D.	Physics
Fertilité	J. Zizka, B.A., B.Sc. (Agr.), M.Sc.	Fertility

ÉCONOMIE		ECONOMICS
Rentabilité des bovins laitiers	J. V. Lebeau, B.S.A., M.Sc. (Direction de l'économie/Economics Branch)	Economics of dairy cattle
Rentabilité des bovins de boucherie	M. Allard, B.A., B.Sc. Adm. (Direction de l'économie/Economics Branch)	Economics of beef cattle

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Régisseur	J. E. Comeau, B.Sc. (Agr.), M.Sc.	Superintendent
Sols	G. Barnett, B.Sc. (Agr.), M.Sc.	Soils
Plantes fourragères	L. Belzile, B.Sc. (Agr.), M.Sc.	Forage crops
Herbicides et cultures spéciales	R. Rioux, B.A., B.Sc. (Agr.), M.Sc.	Herbicides and special crops
FERME EXPÉRIMENTALE, NORMANDIN Ferme expérimentale, Direction de la recherche, Agriculture Canada, Normandin, Québec G0W 2E0		EXPERIMENTAL FARM, NORMANDIN Experimental Farm, Research Branch, Agriculture Canada, Normandin, Québec G0W 2E0
Régisseur	J. P. F. Darisse, B.A., B.Sc. (Agr.), M.Sc.	Superintendent
Plantes fourragères	R. Drapeau, B.Sc. (Agr.), M.Sc.	Forage crops
SCIENTIFIQUE INVITÉ		VISITING SCIENTIST
Microbiologie	G. Hall, B.Sc., m.d., M.Sc. (Jamaican Bureau of Standards, Kingston, Jamaïque/Jamaica)	Microbiology
DÉPARTS		DEPARTURES
Maladies de la pomme de terre	H. Généreux, B.A., B.S.A., M.Sc. (retraité depuis novembre 1976/ Retired November 1976)	Potato diseases
Plantes fourragères	H. Gasser, B.S.A., M.Sc., Ph.D. (a démissionné en mai 1976/Re-signed May 1976)	Forage crops
Station de recherches, Saint-Jean Station de recherches, Direction de la recherche, Agriculture Canada, C.P. 457, Saint-Jean, Québec J3B 6Z8		**Research Station, Saint-Jean** Research Station, Research Branch, Agriculture Canada, P.O. Box 457, Saint-Jean, Québec J3B 6Z8
Directeur	J. J. Jasmin, B.Sc. (Agr.), M.Sc.	Director
Agent d'administration	Y. Bonneau	Administrative Officer
CULTURES FRUITIÈRES		FRUIT CROPS
Chef; écologie de la faune entomologique	R. O. Paradis, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Head of Section; Insect ecology
Chimie des pesticides	A. Bélanger, B.Sc., Ph.D.	Pesticide chemistry
Physiologie de la sénescence	L. Bérard, B.Sc., M.Sc. (en congé d'étude à l'Université de Guelph/On educational leave at the University of Guelph)	Physiology of senescence
Phytopathologie	L. J. Coulombe, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Plant pathology
Physiologie	R. L. Granger, B.S., B.S.A., M.Sc.	Physiology
Conduite des cultures	M. Lareau, B.Sc. (Agr.)	Crop management

Insectes, écologie et lutte	I. Rivard, B.A., B.Sc. (Agr.), M.Sc.	Insect ecology and control
Génétique	G. L. Rousselle, B.A., B.Sc. (Agr.), M.Sc., Ph.D.	Genetics and breeding
CULTURES MARAÎCHÈRES		VEGETABLE CROPS
Chef; physiologie et malherbologie	E. J. Hogue, B.A., B.S.A., M.Sc., Ph.D.	Head of Section; Physiology and weed science
Conduite des cultures	R. Bernier, B.A., B.Sc. (Agr)	Crop management
Génétique	M. S. Chiang, B.Sc. (Agr.), M.Sc., Ph.D.	Genetics and breeding
Phytopathologie	R. Crête, L.S.A., M.Sc. (en congé post-doctoral à Wageningen, Hollande, de septembre 1975 à septembre 1976/On leave for post-doctoral studies at Wageningen, Netherlands, from September 1975 to September 1976)	Plant pathology
Chimie des sols organiques	H. A. Hamilton, B.Sc. (Agr.), M.Sc., Ph.D.	Chemistry of organic soils
Insectes du maïs, écologie et lutte	M. Hudon, B.S.A., M.Sc.	Ecology and control of corn insects
Toxicologie	P. Martel, B.A., B.Sc., Ph.D.	Toxicology
Agro-hydrologie	J. Millette, B.Sc. (Agr. Eng.), M.Sc.	Agrohydrology
Nématologie	T. C. Vrain, M.B.V., D.E.A. (en congé d'étude à l'Université North Carolina State, Raleigh, N.C./On educational leave at North Carolina State University, Raleigh, N.C.)	Nematology
MINISTÈRE DE L'AGRICULTURE DU QUÉBEC, SERVICE DE LA RECHERCHE EN DÉFENSE DES CULTURES		QUEBEC DEPARTMENT OF AGRICULTURE, CROP PROTECTION RESEARCH SERVICE
Entomologie	M. Mailloux, B.S.A., M.Sc.	Entomology
DÉPART		DEPARTURE
Acariens et homoptères: écologie et lutte	B. Parent, B.A., B.Sc. (Agr.), M.Sc. (décédé en mars 1976/Deceased March 1976)	Ecology and control of mites and homopterans
SCIENTIFIQUE INVITÉE		VISITING SCIENTIST
Cytogénétique	B. Chiang, B.Sc., M.Sc., Ph.D. (bourse de recherche post-doctorale/Post-doctoral research fellowship)	Cytogenetics
Research Station, Delhi Research Station, Research Branch, Agriculture Canada, Delhi, Ontario N4B 2W9		**Station de recherches, Delhi** Station de recherches, Direction de la recherche, Agriculture Canada, Delhi, Ontario N4B 2W9
Director	C. F. Marks, B.Sc. (Agr.), M.S.A., Ph.D.	Directeur
TOBACCO		TABAC
Entomology	H. H. Cheng, B.Sc., M.Sc., Ph.D.	Entomologie

Chemistry	W. A. Court, B.Sc., M.Sc., Ph.D.	Chimie
Soil science	J. M. Elliot, B.S.A., M.S.A.	Pédologie
Plant pathology	S. K. Gayed, B.Sc., M.Sc., Ph.D.	Phytopathologie
Genetics and plant breeding	R. S. Pandeya, B.Sc., M.Sc., Ph.D.	Génétique végétale
Plant physiology	N. Rosa, B.Sc., M.Sc., Ph.D.	Physiologie végétale
Plant science	E. K. Walker, B.S.A., M.S.	Phytotechnie
Genetics and plant breeding	F. H. White, B.Sc., M.Sc.	Génétique végétale
Plant physiology	B. F. Zilkey, B.S.A., M.Sc., Ph.D.	Physiologie végétale

EXTENSION SERVICES, ONTARIO MINISTRY OF AGRICULTURE AND FOOD		MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION DE L'ONTARIO, SERVICES DE VULGARISATION
Tobacco	M. C. Watson, B.S.A.	Tabac
Tobacco	N. W. Sheidow, B.Sc.	Tabac

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Director	J. M. Fulton, B.Sc., M.S.A., Ph.D.	Directeur
Administrative Officer	D. H. Lee	Agent d'administration

WEED SCIENCE AND CHEMISTRY SECTION		SECTION DE LA MALHERBOLOGIE ET DE LA CHIMIE
Head of Section; Weed science	G. H. Friesen, B.Sc., M.Sc., Ph.D.	Chef; malherbologie
Environmental chemistry	J. D. Gaynor, B.Sc., M.Sc., Ph.D.	Chimie de l'environnement
Weed ecology	A. S. Hamill, B.Sc., M.Sc., Ph.D.	Écologie des mauvaises herbes
Weed physiology	P. B. Marriage, B.Sc., Ph.D.	Physiologie des mauvaises herbes
Pesticide chemistry	F. G. von Stryk, Dipl. Chem., Ph.D.	Chimie des pesticides

CROP SCIENCE SECTION		SECTION DE LA PHYTOTECHNIE
Head of Section; Soybean breeding	R. I. Buzzell, B.S., Ph.D.	Chef; amélioration du soja
White bean breeding	J. W. Aylesworth, B.S.A., M.S., Ph.D.	Amélioration du haricot blanc
Soybean physiology	B. R. Buttery, B.Sc., Ph.D.	Physiologie du soja
Economics	H. T. M. Colwell, B.Agr., M.Sc. (Economics Branch/Direction de l'économie)	Économie
Winter wheat breeding	A. H. Teich, B.A., B.S.A., M.Sc., Ph.D.	Amélioration du blé d'hiver
Burley tobacco	T. W. Welacky, B.Sc.	Tabac burley

ENTOMOLOGY SECTION		SECTION DE L'ENTOMOLOGIE
Head of Section; Field and vegetable crop insects	W. H. Foott, B.S.A., M.S.A., Ph.D.	Chef; insectes des grandes cultures et des légumes
Vegetable insects	W. M. Elliott, B.Sc., Ph.D., D.I.C.	Insectes des légumes
Insect pathology	R. P. Jaques, B.S.A., M.S.A., Ph.D.	Pathologie des insectes
Greenhouse insects	R. J. McClanahan, B.A., M.Sc., Ph.D.	Insectes de serre
Ecology of field crop insects	B. C. Smith, B.A.	Écologie des insectes des grandes cultures

HORTICULTURAL AND SOIL SCIENCE SECTION		SECTION DE L'HORTICULTURE ET DE LA PÉDOLOGIE
Head of Section; Soil fertility	W. I. Findlay, B.Sc., M.Sc., Ph.D.	Chef; fertilité des sols
Soil management	E. F. Bolton, B.S.A., M.S.A., Ph.D.	Gestion des sols
Statistics	V. A. Dirks, B.S.A., M.Sc., Ph.D.	Statistique
Tree fruit breeding	R. E. C. Layne, B.Sc., M.S., Ph.D.	Amélioration des fruits de verger
Vegetable management	A. Liptay, B.S.A., M.Sc., Ph.D.	Conduite des légumes
Vegetable breeding	V. W. Nuttall, B.S.A., M.S.A.	Amélioration des légumes
Tree fruit breeding	H. A. Quamme, B.S.A., M.Sc., Ph.D.	Amélioration des fruits de verger
PLANT PATHOLOGY SECTION		SECTION DE LA PHYTOPATHOLOGIE
Head of Section; Vegetable diseases	W. R. Javis, B.Sc., Ph.D., D.I.C.	Chef; maladies des légumes
Bacterial diseases	W. G. Bonn, B.Sc., M.S., Ph.D.	Maladies bactériennes
Tree fruit diseases	B. N. Dhanvantari, B.Sc., M.Sc., Ph.D.	Maladies des fruits de verger
Cereal viruses and corn diseases	L. F. Gates, B.A., Ph.D.	Virus des céréales et maladies du maïs
Plant-parasitic nematodes	P. W. Johnson, B.S.A., M.Sc., Ph.D.	Nématodes parasites des végétaux
Soybean and white bean diseases	L. O. Vaartaja, B.S., M.A., Ph.D.	Maladies du soja et du haricot blanc
SOIL SUBSTATION, WOODSLEE		SOUS-STATION PÉDOLOGIQUE, WOODSLEE
Officer in Charge	J. W. Aylesworth, B.S.A., M.S., Ph.D.	Agent responsable
EXTENSION SERVICES, ONTARIO MINISTRY OF AGRICULTURE AND FOOD		MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION DE L'ONTARIO, SERVICES DE VULGARISATION
Greenhouse and vegetable crops	J. C. Fisher, B.S.A.	Légumes et cultures de serre
DEPARTURES		DÉPARTS
Varietal evaluation	L. J. Anderson, B.S.A. (Retired December 1976/retraité depuis décembre 1976)	Évaluation des variétés
Fruit and vegetable crops	K. H. Fisher, B.Sc. (Agr.), M.Sc. (Resigned September 1976/a démissionné en septembre 1976)	Cultures fruitières et maraîchères
Soybean and white bean diseases	J. H. Haas, B.S., Ph.D. (Resigned January 1976/a démissionné en janvier 1976)	Maladies du soja et du haricot blanc
Head of Section; Greenhouse crops nutrition	G. M. Ward, B.Sc., M.A., Ph.D. (Retired November 1976/retraité depuis novembre 1976)	Chef de section; nutrition des cultures de serre

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Acting Director	T. Rajhathy, Ing. Agr., M.Sc., D. Agr. Sci.	Directeur intérimaire
Quality, biochemical genetics	I. de la Roche, B.Sc., M.Sc., Ph.D.	Qualité, biochimie de la génétique
Plant gene resources	J. G. R. Loiselle, B.Sc. (Agr.), M.Sc., Ph.D.	Ressources génétiques végétales
Landscape Architect	B. W. Jablonski, B.L.A.	Architecte paysagiste

Administrative Officer	R. Porteous	Agent d'administration
CEREAL CROPS SECTION		**SECTION DES CULTURES CÉRÉALIÈRES**
Head of Section; Plant physiology, oat breeding	V. D. Burrows, B.S.A., M.Sc., Ph.D.	Chef; physiologie végétale, amélioration de l'avoine
Plant pathology	R. V. Clark, B.Sc. (Agr.), M.Sc., Ph.D.	Phytopathologie
Barley breeding	G. Fedak, B.S.A., M.Sc., Ph.D.	Amélioration de l'orge
Barley genetics	S. O. Fejer, Ing. Agr., Dr. Sc. Tech.	Génétique de l'orge
Wheat breeding	D. R. Sampson, B.Sc., A.M., Ph.D.	Amélioration du blé
CROP LOSS SECTION		**SECTION DES PERTES DE RÉCOLTES**
Head of Section; Aerial photography, methodology	V. R. Wallen, B.Sc., M.Sc., Ph.D.	Chef; méthodes de photographie aérienne
Surveys and methodology	P. K. Basu, B.Sc., M.Sc., Ph.D.	Enquêtes et méthodologie
Surveys and Editor, *Canadian Plant Disease Survey*	W. L. Seaman, B.Sc., Ph.D.	Enquêtes et rédaction-révision, *Canadian Plant Disease Survey*
CYTOGENETICS SECTION		**SECTION DE LA CYTOGÉNÉTIQUE**
Head of Section; Cereal cytology, haploidy	T. Rajhathy, Ing. Agr., M.Sc., D. Agr. Sci.	Chef; cytologie des céréales, haploïdie
Brome cytology	K. C. Armstrong, B.S.A., Ph.D.	Cytologie du brome
Haploidy, wheat cytology	I. Craig, B.A.	Haploïdie, cytologie du blé
Haploidy	W. A. Keller, B.S.A., Ph.D.	Haploïdie
Haploidy	B.E. Murray, B.S.A., M.Sc., Ph.D.	Haploïdie
ENTOMOLOGY SECTION		**SECTION DE L'ENTOMOLOGIE**
Head of Section; Population dynamics	D. G. Harcourt, B.S.A., Ph.D.	Chef; dynamique des populations
Physiology and behavior of bees	R. Boch, Dr. Rer. Nat.	Physiologie et comportement des abeilles
Pathology of bees	T. A. Gochnauer, B.A., M.S., Ph.D.	Pathologie des abeilles
Population dynamics	J. C. Guppy, B.S.A., M.S.	Dynamique des populations
FORAGE CROPS SECTION		**SECTION DES CULTURES FOURRAGÈRES**
Head of Section; Grass breeding	W. R. Childers, B.Sc. (Agr.), M.S., Ph.D.	Chef; amélioration des graminées
Legume breeding	H. Baenziger, Ing. Agr., M.Sc., Ph.D.	Amélioration des légumineuses
Plant pathology	C. C. Chi, B.Sc., M.Sc., Ph.D.	Phytopathologie
Alfalfa genetics	L. Dessureaux, B.A., B.Sc., M.S., Ph.D.	Génétique de la luzerne
Corn breeding	L. S. Donovan, B.S.A., M.S., Ph.D.	Amélioration du maïs
Soybean breeding	J.F. Seitzer, Ing. Agr., M.Sc., Ph.D.	Amélioration du soja
Soybean breeding	H. D. Voldeng, B.S.A., M.Sc., Ph.D.	Amélioration du soja
Corn agronomy	F. S. Warren, B.S.A., M.Sc., Ph.D.	Agronomie du maïs
ORNAMENTALS SECTION		**SECTION DES PLANTES ORNEMENTALES**
Head of Section; Floriculture	J. M. Molnar, B.S.A., M.Sc., Ph.D.	Chef; floriculture
Pathology	A. T. Bolton, B.Sc., M.Sc., Ph.D.	Pathologie
Entomology	T. Burnett, B.S.A. Ph.D.	Entomologie
Nursery research	C. Chong, B.S.A., M.Sc., Ph.D.	Recherches en pépinière
Turfgrass	W. E. Cordukes, B.Sc., M.Sc.	Gazon

Physiology	E. V. Parups, M.S.A., Ph.D.	Physiologie
Plant breeding	F. J. Svejda, Ph.D.	Amélioration des plantes

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Superintendent; Crop management and evaluation	J. M. Wauthy, B.Sc. (Agr.)	Régisseur; conduite et évaluation des cultures

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Superintendent; Crop management and evaluation	W. B. Towill, B.S.A.	Régisseur; conduite et évaluation des cultures

VISITING SCIENTIST		SCIENTIFIQUE INVITÉ
Cytogenetics	J. G. Bowman, B.Sc., Ph.D. (1974-77)	Cytogénétique

GRADUATE STUDENTS		ÉTUDIANTS DIPLOMÉS
Experimental haploidy	J. Lacapra, B.Sc.	Haploïdie expérimentale
Population dynamics	R. G. Taylor, B.Sc., M.Sc.	Dynamique des populations

DEPARTURES		DÉPARTS
Potatoes	G. R. Johnston, B.S.A., M.S.A. (Transferred April 1976/muté en avril 1976)	Pomme de terre
Director	F. K. Kristjansson, B.S.A., M.S., Ph.D. (Transferred August 1976/muté en août 1976)	Directeur
Plant introduction	R. W. Robertson, B.S.A. (Retired December 1976/retraité depuis décembre 1976)	Entrée des végétaux au pays
Virology	J. T. Slykhuis, B.Sc., M.Sc., Ph.D., F.R.S.C. (Transferred February 1976/muté en février 1976)	Virologie
Barley and triticale	S. Symko, Ing. Agr. (Retired July 1976/retraité depuis juillet 1976)	Orge et triticale

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Station de recherches, Vineland Station

Station de recherches, Direction de la recherche, Agriculture Canada,
Vineland Station, Ontario L0R 2E0

Director	A. J. McGinnis, B.Sc., M.S., Ph.D.	Directeur
Residue chemistry	M. Chiba, B.Sc., D.Sc.	Chimie des résidus
Agriculture engineering	D. R. Menzies, B.Sc., M.Sc., Ph.D.	Génie rural

Administrative Officer	W. B. Ross	Agent d'administration
ENTOMOLOGY SECTION		**SECTION DE L'ENTOMOLOGIE**
Head of Section; Fruit pest management	E. A. C. Hagley, B.Sc. (Agr.), M.Sc., Ph.D., D.I.C.T.A.	Chef; lutte contre les ravageurs des fruits
Pesticide application	R. W. Fisher, B.Sc. (Agr.), Ph.D.	Application des antiparasitaires
Acarology	D. H. C. Herne, B.A., M.S.A., Ph.D.	Acarologie
Toxicology	D. J. Pree, B.S.A., M.Sc., Ph.D.	Toxicologie
Pesticide evaluation	C. M. Simpson	Évaluation des antiparasitaires
Vegetable pest management	A. B. Stevenson, B.Sc. (Agr.), Ph.D.	Lutte contre les ravageurs des légumes
Fruit pest management	R. Trottier, B.Sc., M.Sc., Ph.D.	Lutte contre les ravageurs des fruits
NEMATOLOGY SECTION		**SECTION DE LA NÉMATOLOGIE**
Host-parasite relations	T. H. A. Olthof, B.Sc. (Agr.), Ph.D., Ing.	Rapports hôte-parasite
Ecology	J. W. Potter, B.S.A., M.S.A., Ph.D.	Écologie
Ecology	J. L. Townshend, B.Sc., M.Sc., D.I.C.	Écologie
PLANT PATHOLOGY SECTION		**SECTION DE LA PHYTOPATHOLOGIE**
Head of Section; Fruit virology	H. F. Dias, Eng. Agr., Ph.D.	Chef; virologie des fruits
Fruit virology	W. R. Allen, B.A., Ph.D.	Virologie des fruits
Fruit virology	T. R. Davidson, B.Sc., M.Sc.	Virologie des fruits
Vegetable virology	W. G. Kemp, B.A., M.A.	Virologie des légumes
Fruit mycology	J. Northover, B.Sc., Ph.D., D.I.C.	Mycologie des fruits
Vegetable mycology	A. A. Reyes, B.S.A., M.S.A., Ph.D.	Mycologie des légumes
EXPERIMENTAL FARM, SMITHFIELD		**FERME EXPÉRIMENTALE, SMITHFIELD**
Experimental Farm, Research Branch, Agriculture Canada, P.O. Box 340, Trenton, Ontario K8V 5R5		Ferme expérimentale, Direction de la recherche, Agriculture Canada, C.P. 340, Trenton, Ontario K8V 5R5
Superintendent; Nutrition and orchard management	H. B. Heeney, B.Sc. (Agr.), M.Sc.	Régisseur; conduite et nutrition des vergers
Insect physiology and nutrition	H. L. House, B.S.A., Ph.D.	Physiologie et nutrition des insectes
Plant physiology and biochemistry	S. R. Miller, B.Sc., M.Sc., Ph.D.	Physiologie et biochimie des plantes
Food processing	W. P. Mohr, B.S.A., M.S.A., Ph.D.	Transformation des aliments
Fruit management, pest control	L. G. Monteith, B.S.A., M.S.A.	Gestion de la production fruitière, lutte contre les ravageurs
VISITING SCIENTIST		**SCIENTIFIQUE INVITÉ**
Insect ecology	N. J. Holliday, Ph.D. (National Research Council Postdoctorate Fellow/bourse post-doctorale du Conseil national de recherches du Canada)	Écologie des insectes
POSTGRADUATE STUDENTS		**ÉTUDIANTS DIPLOMÉS**
Biology	D. B. Akitt, B.Sc.	Biologie
Microbiology	G. W. Cross, B.Sc. (Agr.)	Microbiologie
Chemistry	S. Lee, B.Sc.	Chimie

DEPARTURE		DÉPART
Head of Nematology Section	C. F. Marks, B.Sc. (Agr.), M.S.A., Ph.D. (Transferred July 1976/muté en juillet 1976)	Chef de la section de la nématologie

Animal Research Institute

Institut de recherches zootechniques

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Director	R. S. Gowe, B.S.A., M.S., Ph.D.	Directeur
Deputy Director	E. E. Lister, B.Sc., M.Sc., Ph.D.	Sous-directeur
Assistant to the Director	D. A. Leger, B.Sc.	Adjoint au directeur
Acting Resources Advisor	D. B. Snyder, B.Sc.	Conseiller intérimaire en ressources
Chief, administration and resources	G. B. Matthews	Chef, administration et ressources
Administrative Officer, finance and material	J. R. Harrison, B.Sc.	Agent d'administration, finances et matériel
Administrative Officer, personnel	B. J. Ferguson, B.A.	Agent d'administration, personnel
Manager, computer services	B. S. C. Corbin, B.Sc., M.Sc. (Finance and Administration Branch/ Direction des affaires financières et administratives)	Gérant, services informatiques
Computer programming	K. G. Hilson, B.Sc., M.Sc. (Finance and Administration Branch/ Direction des affaires financières et administratives)	Programmation
Systems and programming	G. P. Kavanagh	Systèmes et programmation
Systems and programming	K. B. Last (Finance and Administration Branch/ Direction des affaires financières et administratives)	Systèmes et programmation
Systems and programming	S. M. Reid, Dip. Bus. Adm., Dip. Data Proc. (Finance and Administration Branch/ Direction des affaires financières et administratives)	Systèmes et programmation
Librarian	V. G. Desroches, B.Ph.A., B.L.S. (Finance and Administration Branch/ Direction des affaires financières et administratives)	Bibliothécaire

RAPESEED OIL NUTRITION PROGRAM		PROGRAMME DE NUTRITION, HUILE DE COLZA
Program Chairman; Lipid chemistry and biochemistry	J. K. G. Kramer, B.Sc., M.Sc., Ph.D.	Président; chimie et biochimie des lipides
Lipid nutrition and metabolism	H. W. Hulan, B.Sc., M.Sc., Ph.D.	Nutrition et métabolisme, lipides

DAIRY CATTLE BREEDING PROGRAM		PROGRAMME DE REPRODUCTION DES BOVINS LAITIERS
Program Chairman; Statistical genetics and dairy cattle breeding	A. J. McAllister, B.S., M.S., Ph.D.	Président; génétique statistique et amélioration des bovins laitiers
Statistical genetics, breeding programs	T. R. Batra, B.V.Sc., M.V.Sc., M.S., Ph.D.	Génétique statistique, programmes d'amélioration

Quantitative genetics, systems analysis	J. A. B. Emsley, B.Sc., Ph.D.	Génétique quantitative, analyse des systèmes
Dairy cattle breeding	C. G. Hickman, B.S.A., M.S., Ph.D. (On transfer of work, September 1976 to September 1977, at Département de génétique animale, Centre national de recherches zootechniques, Jouy-en-Josas, France/en stage de septembre 1976 à septembre 1977)	Amélioration des bovins laitiers
Quantitative genetics, mice	J. Nagai, B.A., D.Agr.	Génétique quantitative, souris
DAIRY CATTLE NUTRITION PROGRAM		PROGRAMME DE NUTRITION DES BOVINS LAITIERS
Program Chairman; Rumen metabolism and physiology	F. D. Sauer, D.V.M., M.S., Ph.D.	Président; métabolisme et physiologie du rumen
Rumen metabolism and physiology	J. D. Erfle, B.S.A., M.Sc., Ph.D.	Métabolisme et physiologie du rumen
Young ruminant nutrition	K. J. Jenkins, B.S.A., M.Sc., Ph.D.	Nutrition des jeunes ruminants
Forage conservation	J. R. Lessard, B.S., B.S.A., M.S., Ph.D.	Conservation des fourrages
Rumen biochemistry and ruminant nutrition	S. Mahadevan, B.Sc., M.Sc., Ph.D.	Biochimie du rumen et nutrition des ruminants
Forages and mineral requirements	J. F. Standish, B.Sc., M.Sc., Ph.D.	Fourrages et besoins en minéraux
Hormones of energy metabolism	D. S. Walsh, B.A.	Hormones du métabolisme de l'énergie
BEEF CATTLE NUTRITION PROGRAM		PROGRAMME DE NUTRITION DES BOVINS DE BOUCHERIE
Program Chairman; Cattle and calf nutrition	E. E. Lister, B.Sc., M.Sc., Ph.D.	Président; nutrition des bovins et des veaux
Nutrition and management	W. A. Jordan, B.S.A.	Nutrition et gestion
TRACE MINERAL NUTRITION PROGRAM		PROGRAMME DE NUTRITION, OLIGO-ÉLÉMENTS
Program Chairman; Nutrition and metabolism of Cu, Mn, Zn	M. Ivan, Ing., M.Sc., Ph.D.	Président; nutrition et métabolisme, Cu, Mn, Zn
Nutrition of Mn, Vitamin E, Se	M. Hidiroglou, D.V.M., Dip. Nut.	Nutrition, Mn, vitamine E, Se
Trace mineral availability	S. K. Ho, B.Sc., Ph.D.	Assimilabilité des oligo-éléments
SHEEP PRODUCTION PROGRAM		PROGRAMME DE PRODUCTION OVINE
Program Chairman; Nutrition and management	D. P. Heaney, B.S., M.S., Ph.D.	Président; gestion et nutrition
Breeding and management	H. F. Peters, B.S.A., M.S., Ph.D.	Amélioration et gestion
SWINE NUTRITION PROGRAM		PROGRAMME DE NUTRITION DES PORCS
Program Chairman; Artificial rearing and nutrition	J. I. Elliot, B.S.A., M.Sc., Ph.D.	Président, élevage artificiel et nutrition
Sow nutrition and reproduction	D. W. Friend, B.Sc., M.S., Ph.D.	Nutrition et reproduction des truies
Muscle development	G. A. Lodge, B.Sc., Ph.D. (On transfer of work at Meat Research Institute, Agriculture Research Council, Langford, Bristol, England, July 1975 to July 1976/affecté temporairement, de juillet 1975 à juillet 1976, au Meat Research Institute, Agriculture Research Council, Langford, Bristol, Angleterre)	Développement musculaire

Protein synthesis	N. K. Sarkar, B.Sc., M.Sc., Ph.D.	Synthèse des protéines
POULTRY BREEDING PROGRAM		PROGRAMME DE L'AMÉLIORATION DE LA VOLAILLE
Program Chairman; Disease resistance	J. S. Gavora, Ing., C.Sc.	Président; résistance aux maladies
Egg production	R. S. Gowe, B.S.A., M.S., Ph.D.	Production des oeufs
Biochemical genetics	A. A. Grunder, B.S.A., M.Sc., Ph.D.	Biochimie de la génétique
Biochemical genetics	K. G. Hollands, B.A., B.S.A., M.S.A.	Biochimie de la génétique
POULTRY NUTRITION PROGRAM		PROGRAMME DE NUTRITION DE LA VOLAILLE
Program Chairman; Energetics	I. R. Sibbald, B.S., M.Sc., Ph.D.	Président, énergétique
Amino acids and broiler nutrition	N. A. G. Cave, B.Sc., M.Sc., Ph.D.	Acides aminés et nutrition des poulets à griller
Eggshell formation	J. D. Cipera, Ing., M.S.A., Ph.D.	Formation de la coquille
Eggshell formation and quality	R. M. G. Hamilton, B.Sc., M.Sc., Ph.D.	Formation et qualité de la coquille
REPRODUCTIVE PHYSIOLOGY		PHYSIOLOGIE DE LA REPRODUCTION
Program Chairman; Steroid hormones and reproduction	L. Ainsworth, B.Sc., M.Sc., Ph.D.	Président; hormones stéroïdes et reproduction
Reproductive and light physiology	A. J. Hackett, D.V.M., M.Sc., Ph.D.	Lumière et physiologie de la reproduction
Environmental and light physiology	W. G. Hunsaker, B.S.A., M.S.A., Ph.D.	Environnement et lumière, physiologie
Male reproductive physiology	G. A. Langford, B.Sc., M.Sc., Ph.D.	Physiologie de la reproduction, mâle
Developmental physiology: ovary, embryo, uterus	G. J. Marcus, B.A., Ph.D.	Physiologie du développement: ovaires, embryon, utérus
Hormones and reproduction	H. A. Robertson, B.Sc., Ph.D., C. Chem., F.R.I.C., F.R.S.E.	Hormones et reproduction
Metabolism and assay of steroid hormones	C. P. W. Tsang, B.Sc., M.Sc., Ph.D.	Métabolisme et dosage des hormones stéroïdes
Identification and assay of steroid metabolites	F. A. Vandenheuvel, B.Sc., M.Sc., Ph.D., D.I.C., F.C.I.C.	Identification et dosage des métabolites stéroïdes
PESTICIDE RESIDUES PROGRAM		PROGRAMME DES RÉSIDUS DE PESTICIDES
Program Chairman; Pesticide metabolism and residues	T. S. Foster, B.Sc., M.Sc., Ph.D.	Président; métabolisme et résidus des pesticides
Pesticide synthesis and analyses	M. H. Akhtar, B.Sc., M.Sc., Ph.D.	Synthèse et analyses des pesticides
POLLUTION PROGRAM		PROGRAMME DE LUTTE CONTRE LA POLLUTION
Program Chairman; Waste utilization and pollution abatement	N. K. Patni, B.Ch.E., M.S., Ph.D.	Président; utilisation des déchets et anti-pollution
VISITING SCIENTISTS		SCIENTIFIQUES INVITÉS
Forage treatment and evaluation: dairy cattle	M. F. Al-Rabat, B.Sc., M.S., Ph.D. (FAO Research Fellow from University of Damascus, Syria, 1975-76/bourse de recherches de la FAO de l'Université de Damascus, Syrie, 1975-1976)	Traitement et évaluation des fourrages pour les bovins laitiers

Rumen microbiology and metabolism	R. S. Bush, B.S.A., M.S., Ph.D. (National Research Council Postdoctorate Fellow, 1974-77/bourse postdoctorale du Conseil national de recherches, 1974-1977)	Microbiologie et métabolisme du rumen
Dairy cattle breeding, statistical genetics	J. P. Chesnais, B.Sc., M.S., Ph.D. (National Research Council Postdoctorate Fellow 1974-76/bourse postdoctorale du Conseil national de recherches, 1974-1976)	Amélioration des bovins laitiers, génétique statistique
Quantitative genetics and animal breeding	A. J. McAllister, B.S., M.S., Ph.D. (DeKalb AgResearch Inc. Postdoctorate Fellow, 1975-76/bourse postdoctorale de deKalb AgResearch Inc., 1975-1976)	Génétique quantitative et amélioration animale
Lipid metabolism in dairy cattle	E. M. Meigide, M.D. (C.N.I.C., Havana, Cuba)	Métabolisme des lipides chez les bovins laitiers
Nutrition of dairy cattle, sheep, and poultry	M. A.-D. Mumin, Dip. Anim. Health (Dep. Livestock, Mogadishu, Somalia)	Nutrition: bovins laitiers, moutons et volailles
Quantitative genetics of sheep	J. N. B. Shrestha, B.V.Sc. & A.H., M.S., Ph.D. (National Research Council Postdoctorate Fellow, 1975-76/bourse postdoctorale du Conseil national de recherches, 1975-1976)	Génétique quantitative du mouton
Animal nutrition and feed assessment	O. A. Thomas, B.S., M.S., Ph.D. (Bodles Agr. Stn., Jamaica, W.I.)	Nutrition animale et évaluation des aliments
GRADUATE STUDENT		ÉTUDIANT DIPLOMÉ
Reproductive physiology	J. A. Carnegie, B.Sc.	Physiologie de la reproduction
DEPARTURES		DÉPARTS
Statistical genetics	W. E. Lentz, B.Sc., M.Sc., Ph.D. (Transferred to Livestock Division, Production and Marketing Branch, November 1976/muté à la Division des bestiaux, Direction de la production et de la commercialisation, en novembre 1976)	Génétique statistique
Administrative Officer, finance and material	G. T. Spurr, B.A. (Transferred to Chemistry and Biology Research Institute, February 1976/muté à l'Institut de recherches chimiques et biologiques, en février 1976)	Agent d'administration, finances et matériel

Biosystematics Research Institute

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Institut de recherches biosystématiques

Institut de recherches biosystématiques, Direction de la recherche, Agriculture Canada, Ottawa, Ontario K1A 0C6

Director	D. F. Hardwick, B.A., M.Sc., Ph.D.	Directeur
Assistant Director	G. A. Mulligan, B.Sc.	Directeur adjoint
Administrative Officer	A. Giroux	Agent d'administration

Librarian, botany	M. Khan, B.Sc., M.L.S.	Bibliothécaire, botanique
Librarian, entomology	J. Curren, B.A., B.L.S.	Bibliothécaire, entomologie
Head, National Identification Service	J. E. H. Martin	Chef du service national d'identification
CULTIVATED CROPS		PLANTES CULTIVÉES
Head of Section; *Tamarix*, Aveneae	B. R. Baum, M.Sc., Ph.D.	Chef; *Tamarix*, Aveneae
Gramineae, *Poa*	M. E. Barkworth, B.Sc., M.Ed., Ph.D.	Gramineae, *Poa*
Buddleia, *Caragana*, *Medicago*	R. J. Moore, B.A., M.A., Ph.D.	*Buddleia*, *Caragana*, *Medicago*
Cannabis, *Daucus*	E. Small, B.A., B.Sc., M.Sc., Ph.D.	*Cannabis*, *Daucus*
NOXIOUS AND NATIVE PLANTS		PLANTES INDIGÈNES ET VÉNÉNEUSES
Head of Section; Weeds, Cruciferae	G. A. Mulligan, B.Sc.	Chef de la section; mauvaises herbes, Cruciferae
Anemophilous groups, palynology	I. J. Bassett, B.A.	Plantes anémophiles, palynologie
Canadian flora	B. Boivin, L.Sc., B.A., Ph.D., F.R.S.C.	Flore canadienne
Curator of Vascular Plant Herbarium; Flora of continental Northwest Territories, ferns	W. J. Cody, B.A.	Conservateur de l'herbier vasculaire; flore de la partie continentale des territoires du Nord-Ouest, fougères
Polygonaceae	C. Frankton, B.Sc., Ph.D. (Honorary Research Associate/ chercheur associé honoraire)	Polygonaceae
Weeds, Caryophyllaceae	J. McNeill, B.Sc., Ph.D.	Mauvaises herbes, Caryophyllaceae
AQUATIC BIOLOGY, HEMIPTERA, AND NEMATOLOGY		BIOLOGIE AQUATIQUE, HÉMIPTÈRES ET NÉMATOLOGIE
Head of Section; Nematoda: Heteroderidae, Tylenchidae	R. H. Mulvey, B.Sc., M.S.	Chef; nématodes: Heteroderidae, Tylenchidae
Nematoda: Hoplolaimidae, Tylenchorhynchidae, Aphelenchoidea	R. V. Anderson, B.A., M.S., Ph.D.	Nématodes: Hoplolaimidae, Tylenchorhynchidae, Aphelenchoidea
Homoptera: Cicadellidae; Hemiptera: Corixidae	K. G. A. Hamilton, B.S.A., M.Sc., Ph.D.	Homoptères: Cicadellidae; hémiptères: Corixidae
Hemiptera: Miridae, Anthocoridae	L. A. Kelton, B.S.A., M.Sc., Ph.D.	Hémiptères: Miridae, Anthocoridae
Diptera: Chironomidae	D. R. Oliver, B.A., M.A., Ph.D.	Diptères: Chironomidae
Homoptera: Aphidoidea, Coccoidea, Psyllidae, Collembola, Psocoptera, Thysanoptera	W. R. Richards, B.Sc., M.Sc., Ph.D.	Homoptères: Aphidoidea, Coccoidea, Psyllidae, Collembola, Psocoptera, Thysanoptera
COLEOPTERA, SIPHONAPTERA, AND ARACHNIDA		COLÉOPTÈRES, SIPHONAPTÈRES ET ARACHNIDES
Head of Section; Coleoptera: Scolytidae	D. E. Bright, B.S., M.S., Ph.D.	Chef; coléoptères: Scolytidae
Coleoptera: Elateridae	E. C. Becker, B.S., M.S., Ph.D.	Coléoptères: Elateridae
Coleoptera: Staphylinidae, Alleculidae	J. M. Campbell, B.S., M.S., Ph.D.	Coléoptères: Staphylinidae, Alleculidae
Arachnida: Araneida, Opiliones	C. D. Dondale, B.Sc., M.Sc., Ph.D.	Arachnides: Araneida, Opiliones
Siphonaptera	G. P. Holland, B.A., M.A., D.Sc., F.R.S.C. (Honorary Research Associate/ chercheur associé honoraire)	Siphonaptères
Arachnida: Acarina	E. E. Lindquist, B.S., M.S., Ph.D.	Arachnides: acariens
Coleoptera: aquatic families, Staphylinidae	A. Smetana, M.U.Dr., Cand. Sc. biol.	Coléoptères: familles aquatiques, Staphylinidae
Arachnida: Acarina	I. M. Smith, B.Sc., Ph.D.	Arachnides: acariens

DIPTERA		DIPTÈRES
Head of Section; Simuliidae, Nycteribiidae	R. V. Peterson, B.S., M.S., Ph.D.	Chef; Simuliidae, Nycteribiidae
Ceratopogonidae	J. A. Downes, B.Sc.	Ceratopogonidae
Lonchaeidae, Chamaemyiidae	J. F. McAlpine, B.S.A., M.Sc., Ph.D.	Lonchaeidae, Chamaemyiidae
Lauxaniidae, Calliphoridae	G. E. Shewell, B.Sc., M.Sc. (Honorary Research Associate/ chercheur associé honoraire)	Lauxaniidae, Calliphoridae
Tabanidae, Diptera larvae	H. J. Teskey, B.Sc., M.S.A., Ph.D.	Tabanidae, diptères au stade larvaire
Syrphidae, Scatophagidae	J. R. Vockeroth, B.A., M.A., D.Phil.	Syrphidae, Scatophagidae
Tachinidae, Culicidae	D. M. Wood, B.A., M.A., Ph.D.	Tachinidae, Culicidae

EXPERIMENTAL TAXONOMY		TAXONOMIE EXPÉRIMENTALE
Head of Section; Hematology, morphology	J. W. Arnold, B.A., M.Sc., Ph.D.	Chef; hématologie, morphologie
Physiology, electron microscopy	J. R. Byers, B.S.A., M.Sc., Ph.D.	Physiologie, microscopie électronique
Physiology, endocrinology	C. F. Hinks, B.Sc., Ph.D.	Physiologie, endocrinologie
Physiology, chemotaxonomy	B. N. A. Hudson, B.Sc., Ph.D.	Physiologie, chimiotaxonomie
Morphology, systematics of Hemiptera	R. Matsuda, B.A., Ph.D., D.Sc.	Morphologie, systématique des hémiptères
Physiology, histochemistry	E. H. Salkeld, B.S.A., M.S.A., Ph.D.	Physiologie, histochimie
Genetics	A. Wilkes, B.S.A., M.Sc., Ph.D. (Honorary Research Associate/ chercheur associé honoraire)	Génétique

HYMENOPTERA		HYMÉNOPTÈRES
Head of Section; Ichneumonidae, Braconidae: Trogositidae	J. R. Barron, B.Sc., M.Sc., Ph.D.	Chef; Ichneumonidae, Braconidae: Tropositidae
Ichneumonidae, Braconidae: Euphorinae	C. C. Loan, B.A., M.S., Ph.D.	Ichneumonidae, Braconidae: Euphorinae
Proctotrupoidea, Bethyloidea, Evanioidea, Sphecoidea	L. Masner, B.Sc., M.Sc., Ph.D.	Proctotrupoidea, Bethyloidea, Evanioidea, Sphecoidea
Braconidae	W. R. M. Mason, B.Sc., Ph.D.	Braconidae
Chalcidoidea	O. Peck, B.Sc., M.Sc., Ph.D. (Honorary Research Associate/ chercheur associé honoraire)	Chalcidoidea
Ichneumonidae	G. S. Walley, B.S.A., M.S. (Honorary Research Associate/ chercheur associé honoraire)	Ichneumonidae
Chalcidoidea, Cynipoidea	C. M. Yoshimoto, B.A., M.Sc., Ph.D. (Environment Canada/Environnement Canada)	Chalcidoidea, Cynipoidea

LEPIDOPTERA AND TRICHOPTERA		LÉPIDOPTÈRES ET TRICHOPTÈRES
Head of Section; Lepidoptera: Geometridae	W. C. McGuffin, B.A., M.A., Ph.D. (Environment Canada/Environnement Canada)	Chef; lépidoptères: Geometridae
Lepidoptera: larvae	S. A. Allyson, B.Sc.	Lépidoptères: larves
Lepidoptera: Noctuidae	J. D. Lafontaine, B.A.	Lépidoptères: Noctuidae
Lepidoptera: Pyralidae	E. G. Munroe, B.Sc., M.Sc., Ph.D., F.R.S.C.	Lépidoptères: Pyralidae
Lepidoptera: Pyralidae, Tortricidae	A. Mutuura, B.Sc., Ph.D.	Lépidoptères: Pyralidae, Tortricidae
Trichoptera	F. Schmid, lic. ès. Sc. Nat., D. ès Sc. Nat.	Trichoptères

BIODEGRADING FUNGI		CHAMPIGNONS BIODÉGRADANTS
Head of Section; Phycomycetes	D. J. S. Barr, B.Sc., M.Sc., Ph.D.	Chef; phycomycètes
Pyrenomycetes on woody plants	R. H. Arnold, B.A., M.Sc.	Pyrénomycètes des plantes ligneuses
Curator of National Collection of Fungus Cultures; Wood-inhabiting Hymenomycetes	J. H. Ginns, B.S., M.S., Ph.D.	Conservateur de la collection mycologique nationale; hyménomycètes xylophages
Fungi Imperfecti, Hyphomycetes	S. J. Hughes, B.Sc., M.Sc., D.Sc., F.L.S., F.R.S.C.	Champignons imparfaits, hyphomycètes
Polyporaceae, Tremellales, Hydnaceae	R. Macrae, B.A., M.Sc., Ph.D. (Honorary Research Associate/ chercheur associé honoraire)	Polyporaceae, Tremellales, Hydnaceae
Wood-inhabiting Hyphomycetes	M. K. Nobles, B.A., M.A., Ph.D., F.R.S.C. (Honorary Research Associate/ chercheur associé honoraire)	Hyphomycètes xylophages
Curator of Mycological Herbarium; Thelephoraceae and Hydnaceae	L. K. Weresub, B.A., M.A., Ph.D.	Conservateur de l'herbier mycologique; Thelephoraceae et Hydnaceae
PLANT DISEASE FUNGI		CHAMPIGNONS PHYTOPATHOGÈNES
Head of Section; Uredinales and other parasitic fungi	J. A. Parmelee, B.Sc., M.A., Ph.D.	Chef; Urédinales et autres champignons parasites
Coelomycetes	J. D. Bissett, B.Sc., Ph.D.	Coelomycètes
Preparation of catalogue to genera of fungi	I. L. Conners, B.A., M.A. (Honorary Research Associate/ chercheur associé honoraire)	Préparation du répertoire des genres de champignons
Pyrenomycetes	M. P. Corlett, B.A., M.A., Ph.D.	Pyrénomycètes
Uredinales	D. B. O. Savile, B.S.A., M.Sc., Ph.D., F.R.S.C. (Honorary Research Associate/ chercheur associé honoraire)	Urédinales
Pyrenomycetes	R. A. Shoemaker, B.S.A., M.S.A., Ph.D.	Pyrénomycètes
VISITING SCIENTISTS		SCIENTIFIQUES INVITÉS
Hymenopterous parasites	G. A. Bradley, B.S.A., M.S., Ph.D. (Environment Canada/Environnement Canada)	Parasites hyménoptères
Cytotaxonomy	P. G. Fontana, L.Sc. Biol., B.Sc., M.Sc., Ph.D. (National Research Council Postdoctorate Fellow/bourse post-doctorale du Conseil national de recherches)	Cytotaxonomie
DEPARTURES		DÉPARTS
Gramineae, *Bromus*	W. G. Dore, B.A., M.Sc., Ph.D. (Retired December 1976/retraité depuis décembre 1976)	Graminées, *Bromus*
Curator of Mycological Herbarium; Discomycetes	M. E. Elliott, B.A. (Deceased September 1976/décédée en septembre 1976)	Conservateur de l'herbier mycologique; discomycètes
Siphonaptera	G. P. Holland, B.A., M.A., D.Sc., F.R.S.C. (Retired August 1976/retraité depuis août 1976)	Siphonaptères

Lauxaniidae, Calliphoridae	G. E. Shewell, B.Sc., M.Sc. (Retired December 1976/retraité depuis décembre 1976)	Lauxaniidae, Calliphoridae
Administrative Officer	M. B. Trudel (Transferred to Soil Research Institute/muté à l'Institut de recherches sur les sols)	Agent d'administration

Chemistry and Biology Research Institute

Chemistry and Biology Research Institute, Research Branch, Agriculture Canada, Ottawa, Ontario K1A 0C6

Institut de recherches chimiques et biologiques

Institut de recherches chimiques et biologiques, Direction de la recherche, Agriculture Canada, Ottawa, Ontario K1A 0C6

Director	J. G. Saha, B.Sc., M.Sc. (Tech.), Ph.D.	Directeur
AGRICULTURAL MICROBIOLOGY		MICROBIOLOGIE AGRICOLE
Section Head; Enzymology of pathogenic fungi	C. Madhosingh, B.S.A., M.S., Ph.D.	Chef; enzymologie des champignons pathogènes
Cell membrane biochemistry	L. R. Barran, B.Sc., M.Sc., Ph.D.	Biochimie de la membrane cellulaire
Fungal metabolism and enzymology	R. W. Miller, B.S., Ph.D.	Métabolisme et enzymes des champignons
Rhizosphere fungi	E. A. Peterson, B.Sc., M.Sc., Ph.D.	Champignons de la rhizosphère
Host-specific toxins	R. B. Pringle, B.Sc., M.Sc., Ph.D., F.A.A.A.S.	Toxines spécifiques aux hôtes
Rest period and dormancy	E. F. Schneider, B.Sc., M.Sc., Ph.D.	Période de repos et dormance
Cytology and physiology	I. L. Stevenson, B.S.A., M.S.A., Ph.D.	Cytologie et physiologie
ENVIRONMENTAL CHEMISTRY		CHIMIE DE L'ENVIRONNEMENT
Section Head; Analytical methodology	D. A. Shearer, B.A., M.A., Ph.D., F.C.I.C.	Chef; méthodologie analytique
Organophosphorus and carbamate insecticides	R. Greenhalgh, B.Sc., Ph.D.	Insecticides organophosphorés et à base de carbamate
Inorganic chemistry	M. Ihnat, B.Sc., Ph.D.	Chimie inorganique
Herbicides	S. U. Khan, B.Sc., M.Sc., Ph.D.	Herbicides
Fungicides; analytical methods	W. D. Marshall, B.Sc., Ph.D.	Fongicides, méthodes analytiques
Organochlorine insecticides	J. G. Saha, B.Sc., M.Sc. (Tech.), Ph.D.	Insecticides organochlorés
Analytical organic chemistry	J. C. Young, B.Sc., M.Sc., Ph.D.	Chimie organique analytique
WINTERHARDINESS		RÉSISTANCE AU FROID
Section Head; Frost hardiness; lipids and membrane	D. Siminovitch, B.Sc., M.Sc., Ph.D., Ph.D., F.R.S.C.	Chef; résistance au gel: lipides et membrane
Winter survival of seed	C. J. Andrews, B.Sc., Ph.D.	Survivance des graines à l'hiver
Frost damage; chloroplast membrane	F. D. H. Macdowall, B.Sc., M.Sc., Ph.D.	Dégâts causés par la gelée: membrane chloroplastique
Frost resistance; biochemistry and cytology	M. K. Pomeroy, B.Sc., M.Sc., Ph.D.	Résistance au gel: biochimie et cytologie
Winterhardiness; biochemistry	J. Singh, B.Sc., Ph.D.	Résistance au froid; biochimie
Growth regulators	J. C. Sirois, B.A., B.Sc., M.Sc., Ph.D.	Régulateurs de croissance
HOST-PARASITE RELATIONSHIPS AND CELL MODIFICATION		RAPPORTS HÔTE-PARASITE ET MODIFICATION CELLULAIRE
Section Head; Virus and mycoplasma vector relationships	R. C. Sinha, B.Sc., M.Sc., Ph.D., D.Sc.	Chef; rapports des vecteurs de virus et de mycoplasme

Plant cell modification	R. M. Behki, B.Sc., M.Sc., Ph.D.	Modification cellulaire de la plante
Leafhopper-transmitted mycoplasmas	L. N. Chiykowski, B.S.A., M.Sc., Ph.D.	Mycoplasmes transmis par les ciccadelles
Plant cell modification	S. M. Lesley, B.Sc., M.A., Ph.D.	Modification cellulaire de la plante
Aphid- and mite-transmitted viruses	Y. C. Paliwal, B.S.A., M.Sc., Ph.D.	Virus transmis par les pucerons et les acariens
AGROMETEOROLOGY RESEARCH AND SERVICE		SERVICES ET RECHERCHES EN AGROMÉTÉOROLOGIE
Head of Section; Agrometeorology	W. Baier, Diplomlandwirt, Dr. agr., M.Sc.	Chef; agrométéorologie
Micrometeorology	R. L. Desjardins, B.Sc., M.A., Ph.D.	Micrométéorologie
Climatology	S. N. Edey, B.Sc.	Climatologie
Biomathematics	H. N. Hayhoe, B.Sc., M.S., Ph.D.	Biomathématique
Ecoclimatology and plant survival	C. E. Ouellet, B.A., B.Sc.A., M.Sc.	Écoclimatologie et survie des plantes
Agroclimatology	G. D. V. Williams, B.S.A., M.A.	Agroclimatologie
ANALYTICAL CHEMISTRY SERVICES		SERVICES DE CHIMIE ANALYTIQUE
Head	D. A. Shearer, B.A., M.A., Ph.D., F.C.I.C.	Chef
Advisor; Instrumentation Centre	R. Greenhalgh, B.Sc., Ph.D.	Conseiller; centre d'appareils spécialisés
ELECTRON MICROSCOPE CENTRE		CENTRE DE MICROSCOPIE ÉLECTRONIQUE
Head	G. H. Haggis, B.Sc., Ph.D.	Chef
Postal service	J. Bronskill, B.A., Ph.D.	Service postal
DEPARTURE		DÉPART
Agrometeorology Research and Service, biology	W. K. Sly, B.A. (Retired December 1976/retraité depuis décembre 1976)	Services et recherches en agrométéorologie, biologie

Food Research Institute

Institut de recherches sur les aliments

Food Research Institute,
Research Branch, Agriculture Canada,
Ottawa, Ontario K1A 0C6

Institut de recherches sur les aliments,
Direction de la recherche, Agriculture
Canada, Ottawa, Ontario K1A 0C6

Director	J. Holme, B.A., M.A., Ph.D.	Directeur
Administrative Officer	J. Joanisse	Agent d'administration
FOOD CHEMISTRY		CHIMIE DES ALIMENTS
Head of Section; Carbohydrates	I. R. Siddiqui, B.Sc., M.Sc., Ph.D., D.Sc., F.R.I.C.	Chef; hydrates de carbone
Phenolics	A. B. Durkee, B.Sc., M.Sc.	Phénolés
Milk proteins	V. R. Harwalkar, B.Sc., M.Sc., Ph.D.	Protéines du lait
Milk proteins	M. Kalab, M.Sc., Ph.D.	Protéines du lait
Lipid synthesis	A. Paquet, M.Sc., Ph.D.	Synthèse des lipides
Carbohydrates	P. J. Wood, B.Sc., Ph.D.	Hydrates de carbone
Meat proteins	C. G. Zarkadas, B.S.A., M.Sc., Ph.D.	Protéines de la viande
FOOD PROCESSING		TRANSFORMATION DES ALIMENTS
Head of Section; Dairy science	D. B. Emmons, B.S.A., M.S., Ph.D.	Chef; technologie laitière

Rapeseed processes	J. D. Jones, B.Sc., M.Sc., Ph.D., F.R.I.C.	Procédés de transformation du colza
Flavor chemistry	W. A. McGugan, B.S.A., Ph.D.	Chimie de la saveur
Whey utilization	H. W. Modler, B.S.A., M.S., Ph.D.	Utilisation du lactosérum
Cereal technology	D. Paton, B.Sc., Ph.D.	Technologie des céréales
Cereal chemistry	R. J. Wasik, B.Sc., M.Sc., Ph.D.	Chimie des céréales
FOOD MICROBIOLOGY		MICROBIOLOGIE DES ALIMENTS
Head of Section; Food bacteriology	J. A. Elliott, B.S.A., M.Sc., Ph.D.	Chef; bactériologie alimentaire
Starter culture genetics	R. P. Sinha, B.Sc., M.S., Ph.D.	Génétique des cultures de ferment
Dairy microbiology	A. R. Yates, B.S.A., Ph.D.	Microbiologie laitière
RESEARCH SERVICES		SERVICES DE RECHERCHE
Head of Section; Food quality	M. R. Sahasrabudhe, B.Sc., M.Sc., Ph.D.	Chef; qualité des aliments
Analytical methodology	W. J. Mullin, Ph.D.	Méthodologie analytique
Food quality	A. C. Nunes, B.Sc.	Qualité des aliments
Protein functionality	J. R. Quinn, B.S.A., M.S., Ph.D.	Fonctions des protéines
SENSORY EVALUATION LABORATORY		LABORATOIRE D'APPRÉCIATION SENSORIELLE
Head	E. Larmond, B.Sc.	Chef
VISITING SCIENTIST		SCIENTIFIQUE INVITÉ
Microbial genetics, Dairy Program	B. Lowrie, B.Sc., Ph.D. (National Research Council Postdoctorate Fellow/bourse post-doctorale du Conseil national de recherches)	Génétique microbienne, programme laitier
DEPARTURE		DÉPART
Meat technology	C. J. Randall, B.Sc., M.Sc., Ph.D. (Transferred to Production and Marketing Branch 1976/muté en 1976 à la Direction de la production et des marchés)	Technologie de la viande

Soil Research Institute

Soil Research Institute,
Research Branch, Agriculture Canada,
Ottawa, Ontario K1A 0C6

Institut de recherches sur les sols

Institut de recherches sur les sols,
Direction de la recherche, Agriculture
Canada, Ottawa, Ontario K1A 0C6

Director	J. S. Clark, B.S.A., M.Sc., Ph.D.	Directeur
Administrative Officer	M. B. Trudel	Agent d'administration
SOIL RESOURCE INVENTORY		INVENTOIRE DES RESSOURCES EN SOLS
Soil correlation: national	J. H. Day, B.S.A., M.S.A.	Corrélation des sols: échelle nationale
Soil data bank	J. Dumanski, B.S.A., M.Sc., Ph.D.	Banque de données pédologiques
Soil data bank	B. Kloosterman, B.S.A., Ph.D.	Banque de données pédologiques
Pollution and land use	E. M. MacDonald, B.Sc.	Pollution et utilisation des terres
Remote sensing	A. R. Mack, B.S.A., M.Sc., Ph.D.	Télédétection

Soil classification and genesis	J. A. McKeague, B.A., B.S.A., M.Sc., Ph.D.	Classification et genèse des sols
Soil correlation: eastern region	J. L. Nowland, B.A., M.Sc.	Corrélation des sols: Est
Soil correlation: western region	J. A. Shields, B.S.A., M.Sc., Ph.D.	Corrélation des sols: Ouest
Engineering interpretations	G. Wilson, B.Sc., M.Sc., D.I.C.	Interprétations des données techniques
MARITIMES SOIL SURVEY UNIT (TRURO)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DES MARITIMES (TRURO)
Head of Unit, N.S.	G. J. Beke, B.S.A., M.Sc., Ph.D.	Chef, Nouvelle-Écosse
Party leader	F. Hender, B.Sc.	Chef de groupe
Head of Unit, Nfld.	P. K. Heringa, B.Sc., M.Sc.	Chef, Terre-Neuve
Head of Unit, P.E.I.	J. I. MacDougall, BSc., B.Sc. (Agr.)	Chef, Île-du-Prince-Édouard
Party leader	C. Wang, B.Sc., M.Sc., Ph.D.	Chef de groupe
QUÉBEC SOIL SURVEY UNIT (SAINTE-FOY)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DU QUÉBEC (SAINTE-FOY)
Head of Unit	R. Marcoux, B.Sc., M.Sc.	Chef
Party leader	M. M. Blackburn, B.Sc., M.Sc.	Chef de groupe
Party leader	A. Brunelle, B.S.A., M.Sc.	Chef de groupe
Party leader	J. M. Cossette, B.Sc.	Chef de groupe
ONTARIO SOIL SURVEY UNIT (GUELPH)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DE L'ONTARIO (GUELPH)
Head of Unit	C. J. Acton, B.S.A., M.Sc., Ph.D.	Chef
Party leader	B. H. Cameron, B.Sc. (Agr.)	Chef de groupe
Party leader	E. W. Presant, B.S.A., M.Sc.	Chef de groupe
Party leader	G. J. Wall, B.S.A., Ph.D.	Chef de groupe
MANITOBA SOIL SURVEY UNIT (WINNIPEG)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DU MANITOBA (WINNIPEG)
Head of Unit	R. E. Smith, B.S.A., M.Sc.	Chef
Party leader	W. Michalyna, B.S.A., M.Sc., Ph.D.	Chef de groupe
Northern soils	C. Tarnocai, B.S.F., M.S.	Sols du Nord
Party leader	H. Veldhuis, Ing.	Chef de groupe
SASKATCHEWAN SOIL SURVEY UNIT (SASKATOON)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DE LA SASKATCHEWAN (SASKATOON)
Head of Unit	D. F. Acton, B.S.A., M.Sc., Ph.D.	Chef
Party leader	A. K. Ballantyne, B.S.A., M.Sc.	Chef de groupe
Party leader	G. Padbury, B.S.A., M.Sc.	Chef de groupe
Party leader	H. P. W. Rostad, B.S.A., M.Sc., Ph.D.	Chef de groupe
Party leader	H. B. Stonehouse, B.S.A., M.Sc.	Chef de groupe
ALBERTA SOIL SURVEY UNIT (EDMONTON)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DE L'ALBERTA (EDMONTON)
Head of Unit	W. W. Pettapiece, B.S.A., M.Sc., Ph.D.	Chef

Party leader	G. M. Coen, B.Sc., M.Sc., Ph.D.	Chef de groupe
Party leader	P. H. Crown, B.S.A., M.Sc.	Chef de groupe
Party leader	A. A. Kjearsgaard, B.Sc.	Chef de groupe
Party leader	S. S. Kocaoglu, B.S.	Chef de groupe
Agronomic interpretations	T. W. Peters, B.Sc., M.Sc.	Interprétations agronomiques
BRITISH COLUMBIA SOIL SURVEY UNIT (VANCOUVER)		SOUS-SECTION DE RELEVÉS PÉDOLOGIQUES DE LA COLOMBIE-BRITANNIQUE (VANCOUVER)
Head of Unit	T. M. Lord, B.S.A.	Chef
Party leader	A. J. Green, B.S.A., M.Sc.	Chef de groupe
Party leader	D. Moon, B.Sc.	Chef de groupe
Party leader	K. Valentine, B.S.A., M.Sc., Ph.D.	Chef de groupe
CARTOGRAPHY		CARTOGRAPHIE
Supervising Officer	J. H. Day, B.S.A., M.S.A.	Surveillant
WATER AND NUTRIENT TRANSPORT IN SOILS		TRANSPORT DE L'EAU ET DES ÉLÉMENTS NUTRITIFS DANS LE SOL
Modeling	D. R. Cameron, B.Sc., M.Sc., Ph.D.	Modélisation
Simulation	R. De Jong, B.Sc., M.Sc., Ph.D.	Simulation
Nitrogen cycle	C. G. Kowalenko, B.S.A., M.Sc., Ph.D.	Cycle de l'azote
Soil water movement	G. C. Topp, B.S.A., M.S., Ph.D.	Mouvement de l'eau du sol
NUTRIENT AND WASTE MANAGEMENT IN SOILS		GESTION DES ÉLÉMENTS NUTRITIFS ET DES DÉCHETS DANS LES SOLS
Sludge-soil interactions	M. D. Webber, B.S.A., M.Sc., Ph.D.	Interactions sol-boues d'égout
Microbial processes	K. C. Ivarson, B.Sc., M.Sc., Ph.D.	Processus microbiens
Metals and fertilizers	A. J. MacLean, B.Sc. (Agr.), M.Sc., Ph.D.	Métaux et fertilisants
Metals reactions	S. S. Singh, B.Sc., M.Sc., Ph.D.	Réactions des métaux
Nitrogen	F. J. Sowden, B.S.A., M.S.A., Ph.D.	Azote
ORGANIC SOILS		SOLS ORGANIQUES
Organic soil characterization	M. Lévesque, B.S.A., M.S.A., Ph.D.	Caractérisation des sols organiques
Biochemistry	S. P. Mathur, B.Sc., Assoc. I.A.R.I., Ph.D.	Biochimie
Organic soil chemistry	H. Morita, B.Sc., M.Sc., Ph.D.	Chimie des sols organiques
ACTIVE FRACTION AND SOIL BEHAVIOR		SOL, COMPOSITION ET TRANSFORMATIONS
Mineralogy and weathering	G. J. Ross, B.S.A., M.Sc., Ph.D.	Minéralogie et altération
Metals and sediments	L. Costescu, B.Sc., Ph.D.	Métaux et sédiments
Metal ion - organic reactions	D. S. Gamble, B.Sc., M.Sc., Ph.D.	Rapport ion métallique et substances organiques
Clay mineralogy	H. Kodama, B.Sc., M.Sc., D.Sc.	Minéralogie de l'argile
Soil mineral identification	N. Miles, B.Sc.	Identification des minéraux du sol
Soil humic compounds	M. Schnitzer, B.Sc. (Agr.), M.Sc., Ph.D., F.C.S.S.S.	Composés humiques du sol

VISITING SCIENTIST		SCIENTIFIQUE INVITÉ
Humic acid chemistry	Y. Chen, B.Sc., M.Sc., Ph.D. (Hebrew University Fellow, Rehovot, Israel/bourse de l'Université hébraïque de Rehovot, Israël)	Chimie de l'acide humique

DEPARTURES		DÉPARTS
Saskatchewan Soil Survey	K. W. Ayres, B.S.A. (Resigned May 1976/a démissionné en mai 1976)	Relevés pédologiques de la Saskatchewan
Simulation	C. Chang, B.Sc., M.Sc., Ph.D. (Transferred to Environment Canada, June 1976/muté à Environnement Canada en juin 1976)	Simulation
Saskatchewan Soil Survey	L. S. Crosson, B.S.A., M.Sc., Ph.D. (Resigned June 1976/a démissionné en juin 1976)	Relevés pédologiques de la Saskatchewan
B.C. Soil Survey	K. Jones, B.Sc., M.Sc. (Transferred to Environment Canada, April 1976/muté à Environnement Canada en avril 1976)	Relevés pédologiques de la Colombie-Britannique
Agronomic interpretations	P. G. Lajoie, B.A., M.S.A., M.Sc. (Retired December 1976/retraité depuis décembre 1976)	Interprétations agronomiques
Administrative Officer	R. Porteous (Transferred to Ottawa Research Station, February 1976/muté à la Station de recherches d'Ottawa en février 1976)	Agent d'administration
B.C. Soil Survey	J. I. Sneddon, B.A., M.S.A., M.Sc. (Retired December 1976/retraité depuis décembre 1976)	Relevés pédologiques de la Colombie-Britannique

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Director	E. Y. Spencer, B.Sc., Ph.D., F.C.I.C.	Directeur
Administrative Officer	J. A. Coleman	Agent d'administration
Librarian	V. Nathan, B.Sc., M.L.S.	Bibliothécaire
Library Area Coordinator (Ontario)	A. E. Bourgeois, B.A., B.L.S.	Coordonnateur régional des bibliothèques pour l'Ontario

HERBICIDES AND GROWTH REGULATORS		HERBICIDES ET RÉGULATEURS DE CROISSANCE
Plant biochemistry and tissue culture	T. T. Lee, B.Sc., Ph.D.	Biochimie végétale et culture des tissus
Microbiology	E. B. Roslycky, B.S., M.Sc., Ph.D.	Microbiologie

MODE OF ACTION OF SELECTED AND POTENTIAL INSECT-CONTROL AGENTS		COMPORTEMENT D'AGENTS CHOISIS OU PROPOSÉS DE LUTTE CONTRE LES INSECTES
Biochemistry	W. Chefurka, B.Sc., M.Sc., Ph.D.	Biochimie

Fumigation: toxicology	E. J. Bond, B.S.A., M.Sc., Ph.D.	Fumigation, toxicologie
Neurochemistry	B. E. Brown, B.Sc., M.Sc., Ph.D.	Neurochimie
Analytical chemistry	T. Dumas, D.C.E., M.Sc.	Chimie analytique
Electron microscopy: cytology	C. L. Hannay, B.S.A., Ph.D.	Microscopie électronique, cytologie
Biochemistry	R. M. Krupka, B.A., M.A., Ph.D.	Biochimie
Physiology	D. G. R. McLeod, B.S.A., M.S., Ph.D.	Physiologie
Neurophysiology	T. Nagai, M. E., M.Sc., D.Sc.	Neurophysiologie
Chemistry: radioisotopes and mass spectrometry	J. R. Robinson, B.S.A., M.S.A., Ph.D., F.C.I.C.	Chimie, radio-isotopes et spectroscopie de masse
Chemistry: attractants and repellents	A. N. Starratt, B.Sc., Ph.D., F.C.I.C.	Chimie, attractifs et répulsifs
Biochemistry	A. Vardanis, B.Sc., M.Sc., Ph.D.	Biochimie

SOIL INSECTICIDE BEHAVIOR		COMPORTEMENT DES INSECTICIDES DE SOL
Insect toxicology	C. R. Harris, B.A., M.A., Ph.D.	Toxicologie des insectes
Soil physical chemistry	B. T. Bowman, B.S.A., M.Sc., Ph.D.	Chimie physique des sols
Analytical organic chemistry	R. A. Chapman, B.Sc., M.Sc., Ph.D.	Chimie organique analytique
Analytical chemistry	J. R. W. Miles, B.Sc.	Chimie analytique
Applied entomology	H. H. Svec, Dipl. Agr.	Entomologie appliquée
Pesticide ecology	A. D. Tomlin, B.A., M.Sc., Ph.D.	Écologie des pesticides
Microbiology	C. M. Tu, B.Sc., M.Sc., Ph.D.	Microbiologie

MODE OF ACTION OF SELECTED AND POTENTIAL PLANT-PATHOGEN CONTROL AGENTS		COMPORTEMENT D'AGENTS CHOISIS OU PROPOSÉS DE LUTTE CONTRE LES PHYTOPATHOGÈNES
Plant pathology: phytoalexins and toxines	E. W. B. Ward, B.Sc., M.Sc., Ph.D.	Phytopathologie, phytoalexines et toxines
Biophysical chemistry: fungicide selectivity	D. M. Miller, B.Sc., M.Sc., Ph.D.	Chimie biophysique, sélectivité des fongicides
Plant pathology: fungicides	L. T. Richardson, B.A., M.A., Ph.D.	Phytopathologie, fongicides
Organic chemistry: phytoalexins and toxins	A. Stoessl, B.Sc., Ph.D., F.C.I.C.	Chimie organique, phytoalexines et toxines
Organic chemistry: fungicides	G. D. Thorn, B.Sc., M.A., Ph.D., F.C.I.C.	Chimie organique, fongicides
Biochemistry: fungicides	G. A. White, B.A., M.Sc., Ph.D.	Biochimie, fongicides

GRADUATE STUDENTS		ÉTUDIANTS DIPLÔMÉS
Biophysics: selective transport	S. Harun, B.Sc. (1974-77)	Biophysique, transport sélectif
Biochemistry	A. Hijazi, B.Sc. (1975-)	Biochimie
Entomology: toxicology	G. B. Kinoshita, B.Sc., M.Sc. (1974-76)	Entomologie, toxicologie
Biochemistry	R. Las Heras, Licenciate (1974-)	Biochimie
Chemistry: toxicology	M. S. Sharom, B.Sc., M.Sc. (1974-)	Chimie, toxicologie

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Administrative Officer	K. B. Mitchell	Agent d'administration

MECHANIZATION AND SYSTEMS SECTION		SECTION DE LA MÉCANISATION ET DES SYSTÈMES
Head of Section: Mechanization	M. Feldman, B.E., M.Sc.	Chef; mécanisation
Systems analysis	K. W. Lievers, B.Sc. (Agr.), M.Sc.	Analyse des systèmes
Atlantic region mechanization	C. D. McLeod, B.A.Sc., M.A.Sc. (Located at Fredericton/en poste à Fredericton)	Mécanisation, région de l'Atlantique
Central region mechanization	P. Van Die, B.Sc. (Eng.), M.Sc. (Located at Quebec/en poste à Québec)	Mécanisation, région centrale

RESEARCH SERVICE SECTION		SECTION DES SERVICES DE RECHERCHE
Head of Section; Instrumentation	P. W. Voisey, F.I., Mech.E.	Chef; appareils spécialisés
Electronics	E. J. Brach, D.E.E., Dip.Mil.Electronics	Électronique
Electronics	D. J. Buckley, B.E., M.Sc.	Électronique
Mechanical	W. S. Reid, B.Sc. (Agr.), M.Sc.	Mécanique
Food process engineering	G. E. Timbers, B.S.A., M.S.A., Ph.D.	Technologie de la transformation des aliments

STRUCTURES AND ENVIRONMENT SECTION		SECTION DES STRUCTURES ET DE L'ENVIRONNEMENT
Head of Section	J. E. Turnbull, B.S.A., M.S.A.	Chef
Water resources	F. R. Hore, B.S.A., M.S.	Ressources hydrauliques
Storages	H. A. Jackson, B.Sc. (Eng.), M.Sc.	Entrepôts
Livestock housing	J. A. Munroe, B.S.A., M.Sc., Ph.D.	Bâtiments du bétail
Waste management	P. A. Phillips, B.Sc. (Agr.), M.Sc.	Gestion des déchets

TECHNICAL AND SCIENTIFIC INFORMATION SECTION		SECTION DE L'INFORMATION TECHNIQUE ET SCIENTIFIQUE
Head of Section	G. F. Montgomery, B.Sc. (Agr.)	Chef

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Head of Biometrics Section; Design of experiments, sampling	M. R. Binns, M.A., Dip. Stat.	Chef de la section de biométrie; conception des expériences, échantillonnage
Senior programmer	D. J. Clark, B.S.A.	Principal programmeur
Systems and programming	R. Cormier, B.Sc., M.Math.	Systèmes et programmation
Systems and programming	L. M. A. Francis, B.A.	Systèmes et programmation
Systems and programming	J. D. Hobbs, B.Sc.	Systèmes et programmation
Genetics, design and analysis	P. Y. Jui, B.Sc., M.Sc., Ph.D.	Génétique, conception et analyse
Quantitative genetics	C. S. Lin, B.Sc., M.Sc., Ph.D.	Génétique quantitative
Bioassay, design of experiments	P. M. Morse, M.A.	Essai biologique, conception des expériences
Systems and programming	G. P. Poushinsky, B.Sc., M.Sc.	Systèmes et programmation

Design and analysis of experiments, systems analysis	K. R. Price, B.Sc., M.Math.	Conception et analyse des expériences, analyse des systèmes
Genetics, design and analysis	B. K. Thompson, B.Sc., M.Math., Ph.D.	Génétique, conception et analyse
Systems and programming	J. Tsang, B.Sc.	Systèmes et programmation
Genetics, design and analysis	C. J. Williams, B.S.A., M.Sc., Ph.D.	Génétique, conception et analyse
Time series analysis	M. S. Wolynetz, B.Math., M.Math., Ph.D.	Analyse des séries chronologiques

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ANIMAL SCIENCE		ZOOTECHNIE
Head of Section; Poultry genetics	J. H. Strain, B.Sc., M.Sc., Ph.D.	Chef de la section; génétique de la volaille
Meats physiology	R. L. Cliplef, B.Sc., M.Sc., Ph.D.	Physiologie des viandes
Reproductive physiology	G. W. Dyck, B.S.A., M.Sc., Ph.D.	Physiologie de la reproduction
Swine genetics	I. Garnett, B.S.A., M.Sc., Ph.D.	Génétique du porc
Beef cattle genetics	G. W. Rahnefeld, B.Sc., M.Sc., Ph.D.	Génétique des bovins de boucherie
PLANT SCIENCE		PHYTOTECHNIE
Head of Section; Corn physiology	R. I. Hamilton, B.Sc., M.S.A., Ph.D.	Chef de la section; physiologie du maïs
Soil-plant relationships	L. D. Bailey, B.S.A., M.Sc., Ph.D.	Rapports sol-végétaux
Barley breeding	K. W. Campbell, B.Sc., Ph.D.	Amélioration de l'orge
Weed physiology	P. N. P. Chow, B.S.A., M.A., Ph.D.	Physiologie des mauvaises herbes
Crop culture	R. D. Dryden, B.S.A., M.Sc.	Techniques agronomiques
Forage crops	A. T. H. Gross, B.S.A., M.Sc.	Cultures fourragères
Crop culture	J. R. Moyer, B.Sc., M.Sc., Ph.D.	Techniques agronomiques
Plant nutrition	E. D. Spratt, B.S.A., M.Sc., Ph.D.	Nutrition des végétaux
Barley breeding	R. I. Wolfe, B.S.A., B.D., Ph.D.	Amélioration de l'orge
DEPARTURES		DÉPARTS
Reproductive physiology	E. E. Swierstra, B.S.A., M.S.A., Ph.D.	Physiologie de la reproduction
Plant nutrition	J. M. Sadler, B.Sc., M.Sc., Ph.D.	Nutrition des végétaux

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CROP SCIENCE SECTION		SECTION DE LA PHYTOTECHNIE
Head of Section; Oilseed quality	D. G. Dorrell, B.S.A., M.Sc., Ph.D.	Chef; qualité des oléagineux
Herbicides	W. O. Chubb, B.Sc., D.Sc.	Herbicides
Crop management, physiology	G. H. Gubbels, B.S.A., M.S.A., Ph.D.	Conduite des cultures, physiologie
Pathology of flax and sunflowers	J. A. Hoes, B.S.A., M.S.A., Ph.D.	Pathologie du lin et du tournesol

Pathology of sunflowers	H. C. Huang, B.Sc., M.Sc., Ph.D.	Pathologie du tournesol
New crops	M. D. Stauffer, B.Sc. (Agr.), M.Sc., Ph.D.	Nouvelles cultures
Diseases of field peas	R. C. Zimmer, B.Sc., Ph.D.	Maladies des pois de grande culture
HORTICULTURAL SCIENCE SECTION		SECTION DE L'HORTICULTURE
Head of Section; Quality of essential oils	B. B. Chubey, B.S.A., M.Sc., Ph.D.	Chef; qualité des huiles essentielles
Breeding of woody ornamentals	W. G. Ronald, B.S.A., M.Sc., Ph.D.	Amélioration des plantes ornementales ligneuses
Breeding of potatoes	W. A. Russell, B.S.A.	Amélioration de la pomme de terre
Breeding of vegetables and sunflowers	E. D. P. Whelan, B.S.A., M.S.A., Ph.D.	Amélioration des légumes et du tournesol
CROP BREEDING SECTION		SECTION DE L'AMÉLIORATION DES CULTURES
Head of Section; Breeding of flax	E. O. Kenaschuk, B.S.A., M.Sc., Ph.D.	Chef; amélioration du lin
Breeding of field peas	S. T. Ali-Khan, B.S.A., M.Sc., Ph.D.	Amélioration des pois de grande culture
Breeding of buckwheat	C. G. Campbell, B.S.A., M.Sc., Ph.D.	Amélioration du sarrazin
Breeding of sunflowers	W. Dedio, B.Sc., M.Sc., Ph.D.	Amélioration du tournesol
Breeding of grain corn	J. Giesbrecht, B.S.A., M.Sc., Ph.D.	Amélioration du maïs-grain
DEPARTURES		DÉPARTS
Head of Section; Ornamentals	W. A. Cumming, B.S.A., D.Sc. (Retired March 1976/retraité depuis mars 1976)	Chef de section; plantes ornementales

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Scientific Liaison Officer	W. Romanow, B.S.A., M.Sc.	Agent de liaison scientifique
CEREAL BREEDING SECTION		SECTION DE L'AMÉLIORATION DES CÉRÉALES
Head of Section; Barley breeding and genetics	K. W. Buchannon, B.S.A., M.Sc., Ph.D.	Chef; génétique de l'orge
Quantitative genetics	R. J. Baker, B.S.A., M.Sc., Ph.D.	Génétique quantitative
Cereal chemistry	V. M. Bendelow, B.Sc., M.Sc., Ph.D.	Chimie des céreales
Oat breeding	D. Brown, B.S.A., M.Sc.	Amélioration de l'avoine
Common wheat breeding	A. B. Campbell, B.S.A., M.Sc., Ph.D.	Amélioration du blé
Common wheat breeding	E. M. Czarnecki, B.S.A.	Amélioration du blé
Wheat genetics	P. L. Dyck, B.S.A., M.Sc., Ph.D.	Génétique du blé
Wheat cytogenetics	E. R. Kerber, B.S.A., M.Sc., Ph.D.	Cytogénétique du blé
Cereal chemistry	F. G. Kosmolak, B.Sc., Ph.D.	Chimie des céréales
Durum wheat breeding	D. Leisle, B.S.A., M.Sc., Ph.D.	Amélioration du blé dur
Barley breeding and genetics	D. R. Metcalfe, B.S.A., M.Sc., Ph.D.	Génétique de l'orge
Oat breeding and genetics	R. I. H. McKenzie, B.S.A., M.Sc., Ph.D.	Génétique de l'avoine

CEREAL DISEASES SECTION / SECTION DES MALADIES DES CÉRÉALES

Head of Section; Molecular biology of cereal rust	R. Rohringer, Dr. sc. agr.	Chef; biologie moléculaire de la rouille des céréales
Viruses	A. W. Chiko, B.Sc., M.Sc., Ph.D.	Virus
Viruses	C. C. Gill, B.Sc., Ph.D.	Virus
Wheat stem rust	G. J. Green, B.S.A., M.Sc., Ph.D.	Rouille de la tige du blé
Oat crown rust	D. E. Harder, B.Sc., M.Sc., Ph.D.	Rouille couronnée de l'avoine
Molecular biology of cereal rust	W. K. Kim, B.Sc., M.Sc., Ph.D.	Biologie moléculaire de la rouille des céréales
Oat stem rust	J. W. Martens, B.Sc., Ph.D.	Rouille de la tige de l'avoine
Seed storage pathology, fungicides	J. T. Mills, B.Sc., Ph.D., D.I.C.	Pathologie des graines entreposées, fongicides
Smuts	J. J. Nielsen, Dr. sc. agr.	Charbons
Wheat leaf rust	D. J. Samborski, B.S.A., M.Sc., Ph.D.	Rouille des feuilles du blé
Leaf diseases	A. Tekauz, B.Sc., M.Sc., Ph.D.	Maladies du feuillage
Microbial genetics, smuts	P. L. Thomas, B.S.A., M.Sc., Ph.D.	Génétique microbienne, charbons

CEREAL CROP PROTECTION SECTION / SECTION DE LA PROTECTION DES CÉRÉALES

Head of Section; Storage pest control	F. L. Watters, B.Sc., M.Sc., Ph.D.	Chef; lutte contre les parasites des entrepôts
Biology and control of stored grain pests	P. S. Barker, I.A., M.Sc., Ph.D.	Parasites des céréales entreposées: biologie et lutte
Fumigant chemistry	B. Berck, B.S.A., M.Sc., F.C.I.C.	Chimie des fumigants
Biometrics	M. Bickis, B.Sc., M.Sc.	Biométrie
Stored grain insect biology	S. R. Loschiavo, B.Sc., M.Sc., Ph.D. (On transfer of work to the Department of Entomology, University of Hawaii, July 1976 to July 1977/ affecté temporairement au Département d'entomologie de l'Université d'Hawaii, de juillet 1976 à juillet 1977)	Insectes des céréales entreposées, biologie
Insect surveys and control	W. Romanow, B.S.A., M.Sc.	Relevés d'insectes et lutte
Ecology of granary insects, mites, and fungi	R. N. Sinha, B.Sc., Ph.D.	Écologie des insectes, des acariens et des champignons d'entrepôts
Population dynamics	L. B. Smith, B.Sc., M.Sc., Ph.D.	Dynamique des populations
Biology and control of field crop insects	P. H. Westdal, B.Sc., M.Sc., Ph.D.	Insectes des grandes cultures, biologie et lutte

INTEGRATED PEST CONTROL SECTION / SECTION DE LA LUTTE INTÉGRÉE CONTRE LES RAVAGEURS

Head of Section; Ecology and population dynamics	W. J. Turnock, B.S.A., M.Sc., Ph.D.	Chef; écologie et dynamique des populations
Insect ecology	G. L. Ayre, B.S.A., M.Sc.	Écologie des insectes
Nutritional physiology	R. P. Bodnaryk, B.A., M.Sc., Ph.D.	Physiologie de la nutrition
Physiology and behavior	G. K. Bracken, B.Sc., M.Sc., Ph.D.	Physiologie et comportement
Insect pathology	G. E. Bucher, B.A., M.A., Ph.D.	Pathologie des insectes
Reproductive physiology	G. H. Gerber, B.S.A., Ph.D.	Physiologie de la reproduction
Reproductive biochemistry	B. M. Hegdekar, B.Sc., M.Sc., Ph.D.	Biochimie de la reproduction
Host-parasite relations	H. G. Wylie, B.A., Ph.D.	Rapports hôte-parasite

VISITING SCIENTISTS		SCIENTIFIQUES INVITÉS
Microbiology	P. L. Sholberg, B.Sc., M.Sc. (Research Associate/chercheur associé)	Microbiologie
Microflora of stored seed	H. A. H. Wallace, B.Sc., M.Sc. (Research Associate/chercheur associé)	Microflore des graines entreposées
GRADUATE STUDENTS		ÉTUDIANTS DIPLÔMÉS
Zoology	C. W. Aitchison, B.Sc.	Zoologie
Entomology	G. M. Kapatsa, B.A.	Entomologie
Entomology	G. W. K. Mensa, B.S.A.	Entomologie
Entomology	G. B. Neill, B.S.A.	Entomologie
Entomology	A. O. Obadofin, B.Sc., M.Sc.	Entomologie
Entomology	N. White, B.Sc. Agr., M.Sc.	Entomologie
DEPARTURES		DÉPARTS
Behavior and fecundity	C. E. Osgood, B.Sc., M.Sc., Ph.D. (Resigned November 1976/a démissionné en novembre 1976)	Comportement et fécondité

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FORAGE PRODUCTION AND UTILIZATION		PRODUCTION ET UTILISATION DES PLANTES FOURRAGÈRES
Program Leader; Breeding, evaluation, and production	D. A. Cooke, B.S.A., M.Sc.	Chef du programme; amélioration, évaluation et production
Forage harvesting systems	En-Zen Jan, B.Sc., M.Sc., Ph.D.	Systèmes de récolte des plantes fourragères
Beef cow management systems	D. H. McCartney, B.Sc., M.Sc.	Systèmes de gestion des vaches de boucherie
Forage utilization: beef cattle	J. A. Robertson, B.Sc., M.Sc., Ph.D.	Utilisation des fourrages, bovins de boucherie
Forage evaluation: sheep	S. O. Thorlacius, B.Sc., M.Sc., Ph.D.	Évaluation des fourrages, moutons
Ecology and weed control	J. Waddington, B.Sc., M.Sc., Ph.D.	Écologie et désherbage
CEREAL, OILSEED, AND SPECIAL CROPS PRODUCTION AND UTILIZATION		PRODUCTION ET UTILISATION DES CÉRÉALES, DES OLÉAGINEUX ET DES CULTURES SPÉCIALES
Program Leader; Tillage and cropping	K. E. Bowren, B.S.A.	Chef du programme; labourage et ensemencement
Crop utilization: swine	A. G. Castell, B.Sc., M.Sc., Ph.D.	Utilisation des cultures, porcs
Soil fertility	W. F. Nuttall, B.S.A., M.Sc., Ph.D.	Fertilité des sols
Cereal, oilseed, and special crops evaluation	D. J. Warnock, B.S.A., M.Sc.	Évaluation des céréales, des oléagineux et des cultures spéciales

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Information Officer	G. K. Honey, B.S.A.

BIOLOGICAL CONTROL OF WEEDS

Head of Section; Biological control of weeds	P. Harris, B.S.F., D.I.C., Ph.D.
Biological control of weeds	M. G. Maw, B.Sc., M.Sc.
Biological control of Canada thistle	D. P. Peschken, B.S.A., M.Sc., Dr.Sci.Agr.

WEED INVESTIGATIONS

Head of Section; Weed science: annual grasses	J. D. Banting, B.S.A., M.Sc., Ph.D.
Weed biology	K. F. Best, B.S.A., M.Sc.
Weed science: range weeds	G. G. Bowes, B.S.A., M.Sc., Ph.D.
Weed science: cereal crops	J. H. Hunter, B.S.A., Ph.D.
Weed biology	G. I. McIntyre, B.Sc., Ph.D.
Weed ecology	A. G. Thomas, B.Sc., M.Sc., Ph.D.

HERBICIDE BEHAVIOR IN THE ENVIRONMENT

Head of Section; Availability, mobility, monitoring	R. Grover, B.Sc., M.Sc., Ph.D.
Residues, metabolism, plants	A. J. Cessna, B.A., Ph.D.
Residues, metabolism, soils	A. E. Smith, B.Sc., Ph.D.

SEED SECTION

Head of Section; Distribution	E. D. Mallough, B.S.A.
Verification	G. R. Boughton, B.S.A., M.Sc.

EXPERIMENTAL FARM, INDIAN HEAD

Experimental Farm,
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Superintendent; Management of cereals	R. N. McIver, B.S.A.
Management of forage and new crops	N. W. Holt, B.S.A., M.Sc., Ph.D.

Station de recherches, Regina

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Directeur	
Agent d'administration	
Agent d'information	

LUTTE BIOLOGIQUE CONTRE LES MAUVAISES HERBES

Chef de la section; lutte biologique contre les mauvaises herbes	
Lutte biologique contre les mauvaises herbes	
Lutte biologique contre le chardon des champs	

RECHERCHES SUR LES MAUVAISES HERBES

Chef de la section; malherbologie: graminées annuelles	
Biologie des mauvaises herbes	
Malherbologie: mauvaises herbes des grands pâturages	
Malherbologie: cultures céréalières	
Biologie des mauvaises herbes	
Écologie des mauvaises herbes	

COMPORTEMENT DES HERBICIDES DANS L'ENVIRONNEMENT

Chef de la section; assimilabilité, mobilité et contrôle	
Résidus, métabolisme, végétaux	
Résidus, métabolisme, sols	

SECTION DES SEMENCES

Chef; distribution	
Vérification	

FERME EXPÉRIMENTALE, INDIAN HEAD

Ferme expérimentale, Direction de la recherche, Agriculture Canada,
Indian Head, Saskatchewan S0G 2K0

Régisseur; conduite des céréales	
Conduite des cultures fourragères et des nouvelles cultures	

Research Station, Saskatoon

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Research Branch, Agriculture Canada,
107 Science Crescent, Saskatoon,
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Director	J. E. R. Greenshields, B.S.A., M.Sc., Ph.D., F.A.I.C.	Directeur
Assistant Director	R. K. Downey, O.C., B.S.A., M.Sc., Ph.D., F.A.I.C.	Directeur adjoint
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Computer Systems Programmer	H. K. Milne	Programmeur des systèmes informatiques
Statistician	D. T. Spurr, B.Sc., M.Sc., Ph.D.	Statisticien
Research Information Officer	M. E. Taylor, B.S.A.	Agent d'information en recherches

Station de recherches, Saskatoon

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CROP MANAGEMENT SECTION / SECTION DE LA CONDUITE DES CULTURES

Head of Section; Weeds and crop management	C. H. Keys, B.S.A.	Chef; mauvaises herbes et conduite des cultures
Cereals and crop management	W. L. Crowle, B.S.A., M.Sc.	Conduite des cultures céréalières
Irrigation	L. G. Sonmor, B.S.A., M.Sc.	Irrigation
Soil fertility	H. Ukrainetz, B.S.A.	Fertilité des sols

PLANT BREEDING SECTION / SECTION DE L'AMÉLIORATION DES PLANTES

Head of Section; Legume breeding	B. P. Goplen, B.S.A., M.Sc., Ph.D.	Chef; amélioration des légumineuses
Oilseed breeding: sunflowers	S. J. Campbell, B.Sc., Ph.D.	Amélioration des oléagineux, tournesol
Oilseed breeding: rapeseed	R. K. Downey, O.C., B.S.A., M.Sc., Ph.D., F.A.I.C.	Amélioration des oléagineux, colza
Legume bloat biochemistry	R. E. Howarth, B.S.A., M.Sc., Ph.D.	Biochimie de la météorisation par les légumineuses
Oilseed breeding: rapeseed	A. J. Klassen, B.S.A., M.Sc., Ph.D.	Amélioration des oléagineux, colza
Grass breeding	R. P. Knowles, B.S.A., M.Sc., Ph.D., F.A.I.C.	Amélioration des graminées
Physiology of *Brassica* spp.	D. I. McGregor, B.Sc., M.Sc., Ph.D.	Physiologie, *Brassica* spp.
Cytogenetics of *Brassica* spp.	G. R. Stringam, B.S., M.S., Ph.D.	Cytogénétique, *Brassica* spp.
Oilseed breeding: mustard	D. L. Woods, B.Pharm., M.Phil., Ph.D.	Amélioration des oléagineux, moutarde

ENTOMOLOGY SECTION / SECTION DE L'ENTOMOLOGIE

Head of Section; Wireworms	R. H. Burrage, B.S.A., Ph.D.	Chef; vers-fil-de-fer
Associate Head; Oilseed crop insects	L. Burgess, B.Sc., M.Sc., Ph.D.	Chef adjoint; insectes des oléagineux
Oilseed crop insects	A. P. Arthur, B.Sc., M.S., Ph.D.	Insectes des oléagineux
Mosquitoes	R. E. Bellamy, B.S., M.S., M.A., Ph.D.	Maringouins
Forage crop insects	C. H. Craig, B.A.	Insectes des plantes fourragères
Insect nutrition	G. R. F. Davis, B.Sc., M.Sc., Ph.D.	Insectes, nutrition
Ecology of wireworms	J. F. Doane, B.S.A., M.Sc., Ph.D.	Écologie des vers-fil-de-fer
Physiology of grasshoppers	A. B. Ewen, B.A., M.A., Ph.D.	Physiologie des criquets

Pesticide application: engineering	R. J. Ford, B.S.A., M.Sc., Ph.D.	Application des pesticides, génie
Black flies	F. J. H. Fredeen, B.S.A., M.Sc.	Mouches noires
Insect management	S. H. Gage, B.Sc., M.Sc., Ph.D.	Gestion des insectes
Pesticide chemistry	Y. W. Lee, B.S., M.S.	Chimie des pesticides
Pesticide application: toxicology	K. S. McKinlay, B.Sc.	Application des pesticides, toxicologie
Mosquitoes and arboviruses	J. J. R. McLintock, B.Sc., Ph.D.	Maringouins et arbovirus
Demography of grasshoppers	M. K. Mukerji, M.Sc., Ph.D.	Démographie des criquets
Rapeseed insects	L. G. Putnam, B.S.A., M.Sc.	Insectes du colza
Mosquito ecology and control	W. W. A. Stewart, B.Sc.	Maringouins, écologie et lutte
Pesticide chemistry	N. D. Westcott, B.Sc., Ph.D.	Chimie des pesticides
PLANT PATHOLOGY SECTION		SECTION DE LA PHYTOPATHOLOGIE
Head of Section; Cereal root diseases	R. D. Tinline, B.A., M.Sc., Ph.D.	Chef; maladies des racines des céréales
Soil microbiology	S. H. F. Chinn, B.Sc., M.Sc., Ph.D.	Microbiologie des sols
Oilseed crop diseases	J. Dueck, B.S.A., M.Sc., Ph.D.	Maladies des oléagineux
Legume and cereal diseases	H. Harding, B.Sc., Ph.D.	Maladies des légumineuses et des céréales
Oilseed crop diseases	G. A. Petrie, B.A., M.A., Ph.D.	Maladies des oléagineux
Forage diseases	J. D. Smith, B.Sc., M.Sc.	Maladies des plantes fourragères
VISITING SCIENTISTS		SCIENTIFIQUES INVITÉS
Oilseed diseases	D. C. McGee, Ph.D. (National Research Council Postdoctorate Fellow 1974–76/bourse postdoctorale du Conseil national de recherches, de 1974 à 1976)	Maladies des oléagineux
Rapeseed diseases	P. R. Verma, B.Sc., M.Sc., Ph.D. (Rapeseed Association Fellow, 1974–76/bourse de l'Association des producteurs de colza, de 1974 à 1976)	Maladies du colza
GRADUATE STUDENTS		ÉTUDIANTS DIPLÔMÉS
Plant pathology	K. J. Degenhardt, B.Sc., M.Sc.	Phytopathologie
Plant physiology	B. Haeberle, B.S.A., M.Sc.	Physiologie végétale
Plant pathology	J. R. Stone, B.Sc. (Agr.)	Phytopathologie
Rapeseed biochemistry	B. E. Tochor, B.S.A.	Biochimie du colza
Rapeseed breeding	C. L. Vera, Ing. Agron.	Amélioration du colza

Research Station, Swift Current

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Station de recherches, Swift Current

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Administrative Officer	G. E. Kerley, C.D.	Agent d'administration
Librarian	K. E. Wilton, B.A., M.L.S.	Bibliothécaire
Research Information	P. I. Myhr, B.S.A.	Information en recherches
CEREAL PRODUCTION AND UTILIZATION		PRODUCTION ET UTILISATION DES CÉRÉALES
Head of Section; Cultural management	C. H. Anderson, B.Sc., M.Sc.	Chef de la section; conduite des cultures
Turkey nutrition	K. E. Dunkelgod, B.S., M.S., Ph.D.	Nutrition des dindons

Hardiness physiology	D. G. Green, B.S.A., M.S., Ph.D.	Physiologie de la rusticité
Spring wheat breeding	E. A. Hurd, B.S.A., M.Sc., Ph.D.	Amélioration du blé de printemps
Rye breeding	D. S. McBean, B.S.A., M.Sc.	Amélioration du seigle
Fertility management	D. W. L. Read, B.S.A., M.Sc.	Fertilisation
Turkey nutrition	R. E. Salmon, B.S.A., M.S.A., Ph.D.	Nutrition des dindons
Durum wheat breeding	T. F. Townley-Smith, B.S.A., M.Sc., Ph.D.	Amélioration du blé dur

FORAGE PRODUCTION AND UTILIZATION		PRODUCTION ET UTILISATION DES FOURRAGES
Head of Section; Grass breeding	T. Lawrence, B.S.A., M.Sc., Ph.D.	Chef de la section; amélioration des graminées
Range management	M. R. Kilcher, B.S.A.	Conduite des grands pâturages
Ruminant nutrition	J. E. Knipfel, B.S.A., M.Sc., Ph.D.	Nutrition des ruminants
Irrigation management	H. C. Korven, B.E., M.Sc.	Gestion de l'irrigation
Forage management	A. J. Leyshon, B.Sc., M.Sc.	Conduite des plantes fourragères
Production physiology	J. D. McElgunn, B.S., M.Sc., Ph.D.	Physiologie de la production

ENVIRONMENT		ENVIRONNEMENT
Head of Section; Soil chemistry	C. A. Campbell, B.S.A., M.S.A., Ph.D.	Chef de la section; chimie des sols
Soil microbiology	V. O. Biederbeck, B.S.A., M.Sc., Ph.D.	Microbiologie des sols
Agrometeorology	H. R. Davidson, B.Sc., Ph.D.	Agrométéorologie
Hydrology	W. Nicholaichuk, B.E., M.Sc., Ph.D.	Hydrologie

ANALYTICAL SERVICES AND DESIGN		SERVICES D'ANALYSE ET DE CONCEPTION
Head of Section; Soil chemistry	F. G. Warder, B.S.A., M.Sc.	Chef de la section; chimie des sols
Equipment design	F. B. Dyck, B.E., M.Sc.	Conception du matériel
Range ecology	J. Looman, B.Sc., M.Sc., Ph.D.	Écologie des grands pâturages
Equipment design	N. B. McLaughlin, B.Sc., M.Sc.	Conception du matériel
Computer programmer	H. Moen	Programmeur

DEPARTURES		DÉPARTS
Head of Section; Legume breeding	D. H. Heinrichs, B.S.A., M.Sc., Ph.D., F.A.I.C. (Retired December 1976/retraité depuis décembre 1976)	Chef de section; amélioration des légumineuses
Soil chemistry	W. C. Hinman, B.Sc., M.Sc. (Retired September 1976/retraité depuis septembre 1976)	Chimie des sols

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ENVIRONMENT AND SPECIAL CROPS SECTION		SECTION DE L'ENVIRONNEMENT ET DES CULTURES SPÉCIALES
Head of Section; Plant survival	J. S. McKenzie, B.Sc., M.Sc., Ph.D.	Chef; survie des plantes
Weed research	A. L. Darwent, B.S.A., M.Sc., Ph.D.	Recherche sur les mauvaises herbes
Plant pathology	J. G. N. Davidson, B.S.F., M.Sc., Ph.D.	Phytopathologie
CEREAL AND OILSEED CROPS SECTION		SECTION DES CÉRÉALES ET DES OLÉAGINEUX
Head of Section; Cereal breeding	D. G. Faris, B.S.A., M.S.A., Ph.D.	Chef; amélioration des céréales
Wheat and rapeseed	R. M. DePauw, B.A., M.Sc., Ph.D.	Blé et colza
FORAGE CROPS SECTION		SECTION DES CULTURES FOURRAGÈRES
Head of Section; Grass seed management	C. R. Elliott, B.Sc., M.Sc., Ph.D.	Chef; conduite de la production de semences de graminées
Grass breeding	S. G. Bonin, B.S.A., Ph.D.	Amélioration des graminées
Head of Unit; Apiculture	D. L. Nelson, B.S.A., M.Sc.	Apiculture (chef de la sous-section)
Legume seed management	P. Pankiw, B.S.A., M.Sc., Ph.D.	Conduite de la production de semences de légumineuses
Production and utilization	W. L. Pringle, B.S.A., M.S.F.	Production et utilisation
Physiology and behavior of bees	T. I. Szabo, B.A.E., M.Sc., Ph.D.	Physiologie et comportement des abeilles
SOILS SECTION		SECTION DES SOLS
Head of Section; Microbiology	W. A. Rice, B.S.A., M.Sc., Ph.D.	Chef; microbiologie
Crop management	A. M. F. Hennig, B.Sc.	Conduite des cultures
Organic matter relationships	P. B. Hoyt, B.S.A., M.S., Ph.D.	Matière organique
EXPERIMENTAL FARM, PRINCE GEORGE Experimental Farm, Research Branch, Agriculture Canada, R.R. 1, Prince George, British Columbia V2N 2H8		FERME EXPÉRIMENTALE, PRINCE-GEORGE Ferme expérimentale, Direction de la recherche, Agriculture Canada, R.R. 1, Prince-George, Colombie-Britannique V2N 2H8
Superintendent; Forage utilization	W. K. Dawley, B.S.A.	Régisseur; utilisation des fourrages
EXPERIMENTAL FARM, FORT VERMILION Experimental Farm, Research Branch, Agriculture Canada, Fort Vermilion, Alberta T0H 1N0		FERME EXPÉRIMENTALE, FORT VERMILION Ferme expérimentale, Direction de la recherche, Agriculture Canada, Fort Vermilion, Alberta T0H 1N0
Superintendent; Forage crops management	B. Siemens, B.S.A., M.Sc.	Régisseur; conduite des cultures fourragères
Research Station, Lacombe Research Station, Research Branch, Agriculture Canada, Lacombe, Alberta T0C 1S0		**Station de recherches, Lacombe** Station de recherches, Direction de la recherche, Agriculture Canada, Lacombe, Alberta T0C 1S0
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Administrative Officer	W. J. Murray	Agent d'administration
Economics	R. W. Jolly, B.S., M.S., Ph.D. (Economics Branch/Direction de l'économie)	Économie

ANIMAL SCIENCE SECTION		SECTION DE LA ZOOTECHNIE
Head of Section; Animal breeding	H. T. Fredeen, B.S.A., M.Sc., Ph.D., F.A.I.C.	Chef; amélioration animale
Veterinary science	J. A. Bradley, M.R.C.V.S. (Health of Animals Branch/Direction de l'hygiène vétérinaire)	Médecine vétérinaire
Physiology	H. Doornenbal, B.S.A., M.S.A., Ph.D.	Physiologie
Meat science	L. E. Jeremiah, B.S., M.S., Ph.D.	Technologie des viandes
Meat science	A. H. Martin, B.S.A., M.S.A.	Technologie des viandes
Population genetics	J. A. Newman, B.Sc., Dip. An. Gen., Ph.D.	Génétique des populations
Systems and programming	E. H. Reimer	Systèmes et programmation
Swine research	A. P. Sather, B.Sc., M.S., Ph.D.	Recherche sur le porc
PLANT BREEDING SECTION		**SECTION DE L'AMÉLIORATION DES PLANTES**
Head of Section; Barley breeding	M. L. Kaufmann, C.D., B.S.A., M.Sc., Ph.D.	Chef; amélioration de l'orge
Cereal crops	H. T. Allen, B.Sc., M.Sc.	Cultures céréalières
Plant pathology	W. B. Berkenkamp, B.S., M.S., Ph.D.	Phytopathologie
Forage crops	L. P. Folkins, B.S.A., M.Sc.	Cultures fourragères
Plant pathology	L. J. Piening, B.Sc., M.Sc., Ph.D.	Phytopathologie
CROP MANAGEMENT AND SOILS SECTION		**SECTION DES SOLS ET DE LA CONDUITE DES CULTURES**
Head of Section; Weed research	H. A. Friesen, B.S.A., M.Sc.	Chef; recherche sur les mauvaises herbes
Crop management	D. A. Dew, B.E.	Conduite des cultures
Plant nutrition	D. K. McBeath, B.S.A., M.Sc., Ph.D.	Nutrition des végétaux
Soil chemistry	D. R. Walker, B.Sc., M.Sc.	Chimie des sols
SOLONETZIC SOIL SUBSTATION, VÉGREVILLE		**SOUS-STATION DES SOLS SOLONETZIQUES, VÉGREVILLE**
Officer-in-charge; Soil physics and chemistry	R. R. Cairns, B.S.A., M.Sc., Ph.D.	Agent responsable; physique et chimie des sols
VISITING SCIENTISTS		**SCIENTIFIQUES INVITÉS**
Population genetics	H. Mikami, B.S., M.S., Ph.D. (National Research Council Postdoctorate Fellow/bourse post-doctorale du Conseil national de recherches)	Génétique des populations
Weed research	M. P. Sharma, B.Sc., M.Sc., Ph.D. (Transfer of work from Department of Plant Science, University of Alberta, Edmonton/en stage, du Département de la phytotechnie, Université de l'Alberta, Edmonton)	Recherche sur les mauvaises herbes
DEPARTURE		**DÉPART**
Director	J. G. Stothart, D.S.O., B.S.A., M.Sc., F.A.I.C. (Retired June 1976/retraité depuis juin 1976)	Directeur

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Director	J. E. Andrews, B.S.A., M.S., Ph.D., F.A.I.C.	Directeur
Assistant Director	W. L. Pelton, B.Sc., M.Sc., Ph.D. (On leave of absence to International Center for Agricultural Research in Dry Areas, Aleppo, Syria, from August 1976 to August 1977/en congé au Centre international de la recherche agricole sur les terres arides, Aleppo, Syrie, d'août 1976 à 1977)	Directeur adjoint
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Administrative Officer, finance	C. G. Schoening	Agent d'administration, affaires financières
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Assistant Librarian	C. M. Ronning, B.A., B.L.S.	Bibliothécaire adjoint

ANIMAL SCIENCE SECTION / SECTION DE LA ZOOTECHNIE

Head of Section; Reproductive physiology	E. E. Swierstra, B.S.A., M.S.A., Ph.D.	Chef; physiologie de la reproduction
Animal physiology	C. B. M. Bailey, B.S.A., M.S.A., Ph.D.	Physiologie animale
Animal nutrition	D. M. Bowden, B.S.A., M.S.A., Ph.D.	Nutrition animale
Rumen microbiology	K.-J. Cheng, B.Sc., M.Sc., Ph.D.	Microbiologie du rumen
Reproductive physiology	G. H. Coulter, B.Sc., Ph.D.	Physiologie de la reproduction
Poultry nutrition	E. E. Gardiner, B.S., M.S., Ph.D.	Nutrition de la volaille
Animal nutrition	R. Hironaka, B.Sc., M.Sc., Ph.D.	Nutrition animale
Beef cattle breeding	D. G. Keller, B.Sc., M.S., Ph.D.	Reproduction des bovins de boucherie
Beef cattle breeding	J. E. Lawson, B.S.A., M.S.A.	Reproduction des bovins de boucherie
Sheep and dairy cattle breeding	J. A. P. Vesely, B.S.A., M.S.A., Ph.D.	Reproduction des moutons et des bovins laitiers

CROP ENTOMOLOGY SECTION / SECTION DES INSECTES DE PLANTES CULTIVÉES

Acting Head of Section; Aphids	A. M. Harper, B.Sc., M.Sc., Ph.D.	Chef intérimaire; pucerons
Insecticide residues	W. A. Charnetski, B.Sc., M.Sc., Ph.D.	Résidus des insecticides
Potato and sugarbeet insects	C. E. Lilly, B.Sc., M.Sc.	Insectes de la pomme de terre et de la betterave à sucre
Toxicology	S. McDonald, C.D., B.Sc., M.Sc.	Toxicologie
Insect pollinators	K. W. Richards, B.Sc., M.Sc., Ph.D.	Insectes pollinisateurs

Insect attractants	D. L. Struble, B.A., M.A., Ph.D.	Attractifs pour insectes
Cutworms	G. E. Swailes, B.S.A., M.S., Ph.D.	Vers-gris
ECONOMICS SECTION		SECTION DE L'ÉCONOMIE
Head of Section; Forage and livestock production	B. H. Sonntag, B.S.A., M.Sc., Ph.D. (Economics Branch/Direction de l'économie)	Chef; productions fourragère et animale
Forage and livestock production	K. K. Klein, B.S.A., M.Sc., Ph.D. (Economics Branch; on educational leave at Purdue University, West Lafayette, U.S., from August 1973 to July 1976/Direction de l'économie; en congé d'études à l'Université Purdue, West Lafayette, É.-U., d'août 1973 à juillet 1976)	Productions fourragère et animale
Irrigation	K. D. Russell, B.Sc., M.S. (Economics Branch; on educational leave at Oregon State University, Corvallis, U.S., from August 1976 to August 1979/Direction de l'économie; en congé d'études à l'Université de l'État de l'Oregon, Corvallis, É.-U., d'août 1976 à août 1979)	Irrigation
Dryland crop production	R. P. J. Zentner, B.S.A., M.Sc. (Economics Branch/Direction de l'économie)	Productions végétales en terres arides
PLANT PATHOLOGY SECTION		SECTION DE LA PHYTOPATHOLOGIE
Head of Section; Forage and turfgrass diseases	J. B. Lebeau, B.Sc., M.S., Ph.D.	Chef; maladies des plantes fourragères et de gazon
Cereal diseases	T. G. Atkinson, B.S.A., M.Sc., Ph.D.	Maladies des céréales
Disease loss assessment	F. R. Harper, B.Sc., M.Sc., Ph.D.	Évaluation des pertes dues aux maladies
Nematode diseases	E. J. Hawn, D.F.C., C.D., B.S.A., M.Sc., Ph.D.	Maladies causées par les nématodes
Bacterial diseases	G. A. Nelson, B.Sc., M.Sc., Ph.D.	Maladies bactériennes
Cryobiology	D. W. A. Roberts, B.A., Ph.D.	Cryobiologie
PLANT SCIENCE SECTION		SECTION DE LA PHYTOTECHNIE
Head of Section; Irrigated pastures	D. B. Wilson, B.Sc., M.S., Ph.D.	Chef; pâturages irrigués
Aquatic plant physiology	J. R. Allan, B.Sc., M.A., Ph.D.	Physiologie des plantes aquatiques
Cold hardiness	S. Freyman, B.Sc., M.S.A., Ph.D.	Résistance au froid
Winter wheat breeding	M. N. Grant, B.Sc., M.Sc., Ph.D.	Amélioration du blé d'hiver
Crop weeds	W. M. Hamman, B.Sc. (Agr.), Ph.D.	Mauvaises herbes des cultures
Forage legume breeding	M. R. Hanna, B.S.A., M.S.A., Ph.D.	Amélioration des légumineuses fourragères
Range ecology	A. Johnston, B.S.A., M.S., LL.D., F.A.I.C.	Écologie des grands pâturages
Food science	M. S. Kaldy, B.Sc., M.S., Ph.D.	Technologie alimentaire
Vegetable breeding	G. A. Kemp, B.Sc., Ph.D.	Amélioration des légumes
Wheat cytogenetics	R. I. Larson, B.A., M.A., Ph.D.	Cytogénétique du blé
Corn breeding; wheat cytogenetics	M. D. MacDonald, B.Sc., Ph.D.	Amélioration du maïs, cytogénétique du blé
Crop physiology	D. J. Major, B.Sc., M.Sc., Ph.D.	Physiologie des cultures
Spring wheat breeding	H. McKenzie, B.S.A., M.Sc., Ph.D.	Amélioration du blé de printemps
Dryland pasture	S. Smoliak, B.Sc., M.S.	Pâturages en terres arides

Barley breeding	S. A. Wells, B.S.A., M.Sc., Ph.D.	Amélioration de l'orge
SOIL SCIENCE SECTION		SECTION DE LA PÉDOLOGIE
Head of Section; Plant nutrition	D. C. MacKay, B.Sc., M.S., Ph.D.	Chef; nutrition végétale
Environmental microbiology	R. G. Bell, B.Sc., Ph.D.	Microbiologie de l'environnement
Plant nutrition	J. B. Bole, B.S.A., M.Sc., Ph.D.	Nutrition végétale
Chemical analyses	J. M. Carefoot, B.S.A., M.S.A.	Analyses chimiques
Organic chemistry	J. F. Dormaar, B.S.A., M.S.A., Ph.D.	Chimie organique
Irrigation agronomy	S. Dubetz, B.Sc., M.S.	Agronomie de l'irrigation
Irrigation engineering	E. H. Hobbs, B.Sc. (Eng.)	Génie de l'irrigation
Irrigation efficiency	K. K. Krogman, B.Sc., M.Sc.	Efficacité de l'irrigation
Agricultural engineering	C. W. Lindwall, B.Sc., M.Sc.	Génie rural
Chemistry and genesis	L. E. Lutwick, B.Sc., M.Sc., Ph.D.	Chimie et genèse
Soil microbiology	J. L. Neal, B.S., M.S., Ph.D. (On transfer of work to MacKaulay Institute for Soil Research, Craigiebuckler, Scotland, from August 1975 to August 1976/affecté temporairement au MacKaulay Institute for Soil Research, Craigiebuckler, Écosse, d'août 1975 à août 1976)	Microbiologie des sols
Hydrology	M. Oosterveld, B.Sc. (Eng.), M.Sc., Ph.D.	Hydrologie
Dryland agronomy	U. J. Pittman, B.Sc.	Agronomie des terres arides
Drainage engineering	T. G. Sommerfeldt, B.Sc., M.S., Ph.D.	Génie du drainage
Soil physics	J. C. van Schaik, M.Sc., Ph.D.	Physique des sols
VETERINARY-MEDICAL ENTOMOLOGY SECTION		SECTION DES INSECTES D'IMPORTANCE VÉTÉRINAIRE ET MÉDICALE
Head of Section; Bioclimatology	W. O. Haufe, B.A., M.Sc., Ph.D., D.I.C.	Chef; bioclimatologie
Black fly ecology	K. R. Depner, B.Sc., M.Sc., Ph.D.	Écologie des mouches noires
Toxicology	M. A. Khan, G.V.Sc., M.S., Ph.D.	Toxicologie
Parasitology	W. A. Nelson, B.Sc., M.Sc., Ph.D.	Parasitologie
Serology	R. H. Robertson, B.A., M.Sc.	Sérologie
Biting fly ecology	J. A. Shemanchuk, C.D., B.Sc., M.Sc.	Écologie des mouches piqueuses
Pesticide chemistry	W. G. Taylor, B.S.P., Ph.D.	Chimie des pesticides
Cattle grub ecology	J. Weintraub, B.A., M.S.	Écologie des hypodermes des bovins
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Head of Section; Poultry physiology	J. R. Hunt, B.S.A., Ph.D.	Chef; physiologie de la volaille
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Physiology of small fruits; herbicides	J. A. Freeman, B.S.A., M.S.A., Ph.D.	Physiologie des petits fruits: herbicides
Plant nutrition: nonsoil media	E. F. Maas, B.S.A., M.Sc.	Nutrition végétale: substrats inertes
Physiology of vegetable crops	A. R. Maurer, B.S.A., M.Sc.	Physiologie des légumes
VISITING SCIENTIST		SCIENTIFIQUE INVITÉ
Plant pathology: nematology	S. G. Fushtey, B.Sc., M.Sc., Ph.D.	Phytopathologie: nématologie

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Range management	D. A. Quinton, B.S., Ph.D.	Conduite des prairies
Soil fertility and pedology	A. L. Van Ryswyk, B.S.A., M.Sc., Ph.D.	Fertilité des sols et pédologie
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Ornamentals	R. E. Harris, B.S.A., M.S.A., Ph.D.	Plantes ornementales
Insects of ornamentals	N. V. Tonks, B.S.A., M.S.	Insectes des plantes ornementales
Officer-in-charge, Post-entry Quarantine Station	D. R. Bertoia, B.S.A. (Production and Marketing Branch/ Direction de la production et de la commercialisation)	Agent responsable, Station de quarantaine d'arrivée
Post-entry Quarantine Station	J. Stevenson, B.Sc. (Agr.) (Production and Marketing Branch/ Direction de la production et de la commercialisation)	Station de quarantaine d'arrivée

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AGRICULTURAL ENGINEERING SECTION		SECTION DU GÉNIE RURAL
Head of Section; Agricultural equipment: development and assessment	A. D. McMechan, B.A.Sc.	Chef; conception et évaluation du matériel agricole
Agricultural equipment: development and assessment	P. Parchomchuk, B.A.Sc., M.S.	Conception et évaluation du matériel agricole
ENTOMOLOGY SECTION		SECTION DE L'ENTOMOLOGIE
Head of Section; Integrated control	H. F. Madsen, B.A., Ph.D.	Chef; lutte intégrée
Stone-fruit insects	F. L. Banham, B.A.	Insectes des fruits à noyau
Orchard mite control	R. S. Downing, B.A., M.S.	Lutte contre les acariens des vergers
Pesticide and environmental chemistry	A. P. Gaunce, B.Sc., M.Sc., Ph.D.	Pesticides et chimie de l'environnement
Bionomics of pear psylla	R. D. McMullen, B.Sc., M.Sc., Ph.D.	Écologie du psylle du poirier
Control of coding moth by the sterility method	M. D. Proverbs, B.Sc., M.Sc., Ph.D.	Lutte contre les carpocapses de la pomme par stérilisation des mâles
FOOD PROCESSING SECTION		SECTION DE LA TRANSFORMATION DES ALIMENTS
Head of Section; Engineering new products	J. A. Kitson, B.A., M.S.	Chef; mise au point de nouveaux produits
Home economist	D. Britton, Dip. H.Ec.	Économiste ménagère
Food biochemistry	H. A. Buttkus, B.S.A., M.A.	Biochimie alimentaire
Product development and microbiology	D. R. MacGregor, B.S.A., M.S., Ph.D.	Développement des produits et microbiologie
PLANT PATHOLOGY SECTION		SECTION DE LA PHYTOPATHOLOGIE
Head of Section; Tree fruit fungus diseases	D. L. McIntosh, B.S.A., Ph.D.	Chef; maladies fongiques des fruits de verger
Tree fruit virus diseases	A. J. Hansen, Dip. Agr., M.Sc., Ph.D.	Maladies virales des fruits de verger
Stone fruit virus diseases	J. T. Slykhuis, B.S.A., M.Sc., Ph.D.	Maladies virales des fruits à noyau
POMOLOGY SECTION		SECTION DE LA POMOLOGIE
Head of Section; Growth regulants and agrometeorology	N. E. Looney, B.S., M.S., Ph.D.	Chef; régulateurs de croissance et agrométéorologie
Rootstock and variety evaluation, grape breeding	L. G. Denby, B.S.A., M.S.A., F.R.H.S.	Évaluation des porte-greffes et des variétés; amélioration de la vigne
Fruit breeding: hardiness	W. D. Lane, B.Sc. (Agr.), M.Sc., Ph.D.	Amélioration des fruits, rusticité
Fruit biochemistry	M. Meheriuk, B.Sc., B.Ed., M.Sc., Ph.D.	Biochimie des fruits

Fruit storage	S. W. Porritt, B.S.A., M.S., Ph.D.	Entreposage des fruits
SOILS SECTION		SECTION DE LA PÉDOLOGIE
Head of Section; Plant nutrition	J. L. Mason, B.S.A., M.Sc., Ph.D.	Chef; nutrition végétale
Soil moisture	D. S. Stevenson, B.S.A., M.S., Ph.D.	Humidité des sols
VISITING SCIENTISTS		SCIENTIFIQUES INVITÉS
Pomology	O. Lau, B.S., M.S., Ph.D. (B.C. Tree Fruits Research Associate since July 1976/chercheur associé de la B.C. Tree Fruits, depuis juillet 1976)	Pomologie
Pomology	J. M. Lee, B.Sc., M.S., Ph.D. (National Research Council Postdoctorate Fellow; departed December 1976/bourse post-doctorale du Conseil national de recherches, départ en décembre 1976)	Pomologie
Entomology	E. Niemczyk, B.Sc., M.Sc., Ph.D. (On work transfer under Research Institute of Pomology, Skierniewice, Poland, from September to December 1976/en stage, de l'Institut de recherches pomologiques, Skierniewice, Pologne, de septembre à décembre 1976)	Entomologie
Food processing	A. O. Olorunda, B.Sc., Ph.D. (On work transfer under CIDA from September 1975 to August 1976/en stage, de l'ACDI, de septembre 1975 à août 1976)	Transformation des aliments
Food processing	P. Speck, B.Sc., M.Sc., Ph.D. (On work transfer under Swiss National Science Foundation from September 1976 to September 1977/en stage, de la Fondation scientifique nationale de Suisse, de septembre 1976 à septembre 1977)	Transformation des aliments
Food processing	E. Warrendorf, B.Sc., M.Sc., Ph.D. (National Research Council Postdoctorate Fellow; departed September 1976/bourse post-doctorale du Conseil national de recherches, départ en septembre 1976)	Transformation des aliments
DEPARTURES		DÉPARTS
Librarian	J. C. Lavery, B.Sc., B.L.S. (Resigned July 1976/a démissionné en juillet 1976)	Bibliothécaire
Oenology and food technology	D. F. Wood, B.Sc., M.Sc., Ph.D. (Transferred August 1976/muté en août 1976)	Oenologie et technologie alimentaire

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Librarian	T. Matsumoto, B.S.A., M.Sc., M.L.S.

ENTOMOLOGY SECTION

Head of Section; Aphids: morphology	A. R. Forbes, B.A., M.S., Ph.D.
Strawberry insects: ecology	W. T. Cram, B.S.A., M.S., Ph.D.
Root maggots: toxicology	D. G. Finlayson, B.A., M.A., Ph.D.
Aphid ecology	B. D. Frazer, B.Sc., Ph.D.
Berry insects: leafhopper vectors	J. Raine, B.S.A., M.S.
Soil insects	A. T. S. Wilkinson, B.S.A.
Pesticide chemistry	I. H. Williams, B.A., M.S.
Stored-product insects	P. Zuk, B.A.

PLANT PATHOLOGY SECTION

Head of Section; Potato diseases: serology	N. S. Wright, B.S.A., M.S.A., Ph.D.
Plant breeding, small fruits	H. A. Daubeny, B.S.A., M.S.A., Ph.D.
Nematology	F. D. McElroy, B.S., Ph.D.
Strawberry viruses: thermotherapy	F. C. Mellor, B.S.A.
Root rots: red stele of strawberry	H. S. Pepin, B.S.A., M.A., Ph.D.
Raspberry viruses: virus characterization	R. Stace-Smith, B.S.A., Ph.D.

VIRUS CHEMISTRY AND PHYSIOLOGY

Head of Section; Chemistry and ultrastructural cytopathology of viruses	H. W. J. Ragetli, Ir., Ph.D.
Virology: virus interactions and seed transmission	R. I. Hamilton, B.Sc., M.Sc., Ph.D.
Biochemical virology	G. G. Jacoli, B.A., Ph.D.
Biophysical virology	J. H. Tremaine, B.Sc., M.Sc., Ph.D.

VISITING SCIENTISTS

Plant virology	J. A. Dodds, B.Sc., M.Sc., Ph.D. (University of British Columbia Post-doctorate Fellow/bourse post-doctorale de l'Université de la Colombie-Britannique)
Entomology	A. J. Thorsteinson, B.S.A., Ph.D. (On leave from University of Manitoba/en congé de l'Université du Manitoba)

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SECTION DE L'ENTOMOLOGIE

Chef; morphologie des pucerons	
Écologie des insectes du fraisier	
Toxicologie des asticots des racines	
Écologie des pucerons	
Insectes des petits fruits, ciccadelles	
Insectes du sol	
Chimie des pesticides	
Insectes des produits entreposés	

SECTION DE LA PHYTOPATHOLOGIE

Chef; maladies de la pomme de terre, sérologie	
Amélioration des petits fruits	
Nématologie	
Virus du fraisier, thermothérapie	
Pourridiés des racines, stèle rouge du fraisier	
Virus du framboisier, caractérisation	

SECTION DE LA CHIMIE ET DE LA PHYSIOLOGIE DES VIRUS

Chef; chimie et cytopathologie des virus	
Virologie; interactions des virus et transmission par la semence	
Biochimie des virus	
Biophysique des virus	

SCIENTIFIQUES INVITÉS

Phytovirologie	
Entomologie	

Plant virology	M. Turner, B.Sc., M.Sc. (Jamaican Ministry of Agriculture/ Ministère de l'Agriculture de la Jamaïque)	Phytovirologie

POSTGRADUATE STUDENTS		ÉTUDIANTS POST-UNIVERSITAIRES
Plant virology	I. Bin Ahmad, B.Sc.	Phytovirologie
Plant virology	A. Cole, B.Sc.	Phytovirologie
Plant virology	T. L. Molefe, B.Sc., M.Sc.	Phytovirologie
Plant virology	D. H. Pekkala, B.Sc., B.Ed.	Phytovirologie

DEPARTURE		DÉPART
Head of Entomology Section	H. R. MacCarthy, B.A., Ph.D. (Retired June 1976/retraité depuis juin 1976)	Chef, section de l'entomologie

Publications

St. John's West, Nfld./(T.-N.)

RESEARCH/RECHERCHES

Proudfoot, K. G.; Olsen, O. A. 1976. Pink Pearl and Mirton Pearl: Two wart resistant potato cultivars for Newfoundland. Can. J. Plant Sci. 56:763-764.

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